

Sodium Bicarbonate

Lessons in Cancer and General pH Management (and other papers)

International Medical Veritas Association [IMVA]

A Medical news commentaries internet posting of 2007 April 3 by Mark Sircus, Ac., OMD Director of the International Medical Veritas Association. Email: director@imva.info .Websites:

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16. Addenda: the additional 3 articles:

16.1. Is Cancer Caused by the Candida Fungus? Interview with Doctor Tullio Simoncini

16.2. Cancer and Fungus: A Path of Personal Research

16.3. Selective Arteriography

17. A Medical news commentaries internet follow up post on 2007 August 11:

1. Introduction

Most of us are going to be surprised to find out that there is an oncologist in Rome Italy, **Dr. Tullio Simoncini**, destroying cancer tumors with sodium bicarbonate.^[1] [see article 16.1 below] Sodium bicarbonate is safe, extremely inexpensive and unstoppably effective when it comes to cancer tissues. It's an irresistible chemical, cyanide to cancer cells for it hits the cancer cells with a shock wave of alkalinity, which allows much more oxygen into the cancer cells than they can tolerate. Cancer cells cannot survive in the presence of high levels of oxygen. Sodium bicarbonate is, for all intent and purposes, an instant killer of tumors. Full treatment takes only days, as does another cancer treatment that heats the cancer cells with laser generated heat. (At conclusion see combining pH shift with heat.) See Tullio Simoncini's websites <http://www.cancerfungus.com/> and <http://www.curenaturalicancro.org/>

Dr. Tullio Simoncini,



2. The extracellular (interstitial) pH (pHe) of solid tumours is significantly more acidic compared to normal tissues. [ii]

Case one: A patient diagnosed with pulmonary neoplasm of the lung, underwent treatment with sodium bicarbonate, before submitting to surgery to remove part of the lung. Treatment consisted of sodium bicarbonate administered orally, by aerosol, and IV. After first treatment reduction of nodules and absorption was evident, and after 8 months was no longer visible at all. Treatments also reduced size of the liver and results were confirmed by both X-ray and CAT scan.

Studies have shown how manipulation of tumour pH with sodium bicarbonate enhances some forms of chemotherapy. [iii] Proteins can be modified both in vivo and in vitro by increases in acidity. In fact pH is the regulatory authority that controls most cellular processes. The pH balance of the human bloodstream is recognized by medical physiology texts as one of the most important biochemical balances in all of human body chemistry. pH is the acronym for "Potential Hydrogen". In definition, it is the degree of concentration of hydrogen ions in a substance or solution. It is measured on a logarithmic scale from 0 to 14. Higher numbers mean a substance is more alkaline in nature and there is a greater potential for absorbing more hydrogen ions. Lower numbers indicate more acidity with less potential for absorbing hydrogen ions.

Our body pH is very important because pH controls the speed of our body's biochemical reactions. It does this by controlling the speed of enzyme activity as well as the speed that electricity moves through our body. The higher (more alkaline) the pH of a substance or solution, the more electrical resistance that substance or solution holds. Therefore, electricity travels slower with higher pH. If we say something has an acid pH, we are saying it is *hot and fast*. Alkaline pH on the other hand, biochemically speaking, is *slow and cool*.

3. Cancer tissues have a much higher concentration of toxic chemicals, pesticides, etc then do healthy tissues.

In 1973, a study conducted by the Department of Occupational Health at Hebrew University-Hadassah Medical School in Jerusalem found that when cancerous breast tissue is compared with non-cancerous tissue from elsewhere in the same woman's body, the concentration of toxic chemicals such as DDT and PCBs was "much increased in the malignant tissue compared to the normal breast and adjacent adipose tissue." [iv] This should say something to the oncologists of the world about chemical etiologies that are going undiagnosed and untreated.

Part of any successful cancer treatment includes chelation and detoxification of heavy metals and a host of toxic chemicals, which are all invading our bodies' everyday. It is literally raining mercury, uranium contamination is increasing, lead we are discovering is even more toxic than anyone ever believed and is even in the bread that we eat, arsenic is in our chicken, the government still wants you to get your yearly mercury flu shot, dentists of course are still using hundreds of tons of mercury exposing patients to internalized toxic waste dumps (mercury vapors from hell), fluoride is still put in the water and chlorine is breathed in most showers. This just covers a small slice of the toxic disaster that is the hallmark of life in the 21st century. But oncologists have just not been able to understand that cancer patients are suffering from poisoning on a massive scale with all the chemicals scientists have already established cause cancer. *[PW Warren comment: A safe and simple way to eliminate chemical toxins from the body involves using Liquid purified colloidal Zeolite drops (clinoptilolite) called Natural Cellular Defense (NCD). NCD is the most efficient way to REMOVE chemical toxins. Lots of information on toxins and NCD is available on my website: <http://www.REBprotocol.net>, or go to <http://my.waiora.com/home.php?475030> for information.]*

The IMVA [International Medical Veritas Association] recommends alkaline foods and sodium bicarbonate so that the pH of the blood remains high, which in turn means that the blood is capable of carrying more oxygen. This in turn keeps every cell in the body at peak efficiency and helps the cell eliminate waste products. Detoxification and chelation will proceed more easily and safely under slightly alkaline conditions. Increased urinary pH reduces oxidative injury in the kidney so it behooves us to work clinically with bicarbonate.

*Patients receiving sodium bicarbonate achieved urine pHs of 6.5 as opposed to 5.6 with those receiving sodium chloride. This alkalization is theorized to have a protective effect against the formation of free-radicals that may cause nephropathy. [v]
Dr. Michael Metro*

Body pH level changes are intense in the profundity of their biological effects. Even genes directly experience external pH. pH differentially regulates a large number of proteins. Increased oxidative stress, which correlates almost exponentially with pH changes into the acidic, is especially dangerous to the mitochondria, which suffer the greatest under oxidative duress. Epigenetics, which may now have begun eclipsing traditional genetics, commonly describes how factors such as diet and smoking, rather than inheritance influence how genes behave.

The great advantage of knowing the prime cause of a disease is that it can then be attacked logically and over a broad front. Dr. Otto Warburg

Dr. Otto Warburg, two times Nobel Prize winner, stated in his book, *The Metabolism of Tumors* that the primary cause of cancer was the replacement of oxygen in the respiratory cell chemistry by the fermentation of sugar. The growth of cancer cells is initiated by a fermentation process, which can be triggered only in the absence of oxygen at the cell level. What Warburg was describing was a classic picture of acidic conditions. Just like overworked muscle cells manufacture lactic acid by-products as waste, cancerous cells spill lactic acid and other acidic compounds causing acid pH.

After we just saw how important sulfur is in human health and how useful a basic chemical like sodium thiosulfate can be, we now get a crash course in the power of sodium bicarbonate and the act of instantly turning cancer cells alkaline. Might as well shoot a guided cruise missile at them - so effective, safe, quick and precise is sodium bicarbonate, inexpensive as well. Just a few pennies a day of it will keep cancer further away, keeping it at arms length from ourselves, patients and loved ones. It is something we can use to treat our water with as well, excellent to put in distilled or reverse osmosis water or any water for that matter.

A true understanding of cancer is impossible without understanding why some tissues in the body are deficient in oxygen and therefore prone to cancer. Cancerous tissues are acidic, whereas healthy tissues are alkaline. Water (H₂O) decomposes into H⁺ and OH⁻. When a solution contains more H⁺ than OH⁻ then it is said to be acid. When it contains more OH⁻ than H⁺ then it is said to be alkaline. When oxygen enters an acid solution it can combine with H⁺ ions to form water. Oxygen helps to neutralize the acid, while at the same time the acid prevents oxygen from reaching the tissues that need it. Acidic tissues are devoid of free oxygen. An alkaline solution is just the reverse. Two hydroxyl ions (OH⁻) can combine to produce one water molecule and one oxygen atom. In other words, an alkaline solution can provide oxygen to the tissues.

The pH scale goes from 0 to 14 with 7 being neutral. Below 7 is acid and above 7 is alkaline. The blood, lymph and cerebral spinal fluid in the human body are designed to be slightly alkaline at a pH of 7.4.

At a pH slightly above 7.4 cancer cells become dormant and at pH 8.5 cancer cells will die while healthy cells will live. This has given rise to a variety of treatments based on increasing the alkalinity of the tissues such as vegetarian diet, the drinking of fresh fruit and vegetable juices, and dietary supplementation with alkaline minerals such as calcium, potassium, magnesium, cesium and rubidium. But nothing can compare to the instant alkalinizing power of sodium bicarbonate for safe and effective treatment of cancer.

Magnesium chloride or sulfates are excellent emergency medicines and basic chemicals, nutritional in nature; sodium bicarbonate is a nutritional medicine meaning it cannot and will not end up controlled by CODEX. To control bicarbonate they would have to demand mothers stop making cake with it. **We might thus identify sodium bicarbonate as an emergency medicine for cancer** with the above supporting approaches working on broader levels to help overall physiology change to a degree where body chemistry is unfavorable for new cancer growth.

Cancer seems to grow slowly in a highly acid environment (because the acids cause it to partially destroy itself) and may actually grow more quickly as your body becomes more alkaline prior to reaching the healthy pH slightly above 7.4 where the cancer becomes dormant. Therefore it is important to get pH above 7.4 quickly. Once one has achieved a pH above 7.4, it is useful to monitor saliva pH regularly to ensure that the body remains sufficiently alkaline.

Earlier and more frequent use of sodium bicarbonate was associated with higher early resuscitability rates and with better long-term neurological outcome. Sodium bicarbonate is beneficial during CPR. [vi]

The therapeutic treatment of bicarbonate salts can be administered orally, through aerosol, intravenously and through catheter for direct targeting of tumors.” All of Dr. Tullio Simoncini's [<http://www.curenaturalcancro.com/>] treatments with sodium bicarbonate are directed as specifically as possible to the organs involved, for example, vaginally as well as abdominally into the peritoneal space for cervical cancer, through the hepatic artery for liver cancer in order to get the solution as close to the affected area as possible. Sodium bicarbonate administered orally, via aerosol or intravenously can achieve positive results in most tumors, including the brain, while others, such as the serious ones of the bones can remain unaffected. Dr. Simoncini, with the help of interventionist radiologists was able to reach those areas of the body that had previously been inaccessible. This was achieved through positioning appropriate catheters either in cavities for peritoneum and pleura, or in arteries to reach other organs.[vii]

The most effective measure to treat RT-induced mucositis in patientsv with head and neck cancer is frequent oral rinsing with a sodium bicarbonate rinse, to reduce the amount of oral microbial flora.[viii]

Case two: A nine-year-old child is hospitalized and diagnosed with Ewing’s Sarcoma on the right humerus. Despite several chemotherapy cycles surgery removed the humeral bone. Growth of three tumor masses continued despite continued efforts to stop progression. Sodium bicarbonate salts treatment were then started administered by catheter into the right sub-clavian artery in order to administer the salts (phleboclysis of 500 cc at five per cent) directly on the tumoral masses. Of the 3 masses shown by the scographic scan of May 7, 2001, whose size is respectively:

- a. 6,5 cm
- b. 4,4 cm
- c. 2,4 cm

After the sodium bicarbonate salts treatment only one tumor was left, with a size of only 1.5 cm, which is most likely residual scarring, as shown by the echography of September 10, 2001.

Sodium bicarbonate injection is also indicated in the treatment of metabolic acidosis which may occur in severe renal disease, uncontrolled diabetes, and circulatory insufficiency due to shock or severe dehydration, extracorporeal circulation of blood, cardiac arrest and severe primary lactic acidosis. Sodium bicarbonate is further indicated in the treatment of drug intoxications, including barbiturates. Sodium carbonate has been found effective in treating poisoning or overdose from many chemicals and pharmaceutical drugs by **negating the cardiotoxic and neurotoxic effects.** [ix]

4. Sodium bicarbonate is useful in treating neurological disorders in children.

Knowledge of sodium bicarbonate is important for parents because the rate of childhood cancer is growing exponentially. But parents who resist the radiation burning, cutting and the lethal chemicals are regularly hauled before the courts only to have their children taken away from them. Oncologists are increasingly resorting to the justice system to have children made wards of the courts who then turn them over to medically irresponsible practitioners. It is inexcusable separating a child from his mother and father in the middle of a medical crisis. Adding to the stress by tormenting patients’ hearts and

souls has nothing to do with safe or effective medicine. The naked truth is doctors and medical institutions have not earned the necessary trust for this level of intervention in people's lives. With patient safety slipping year by year, [x] children are not safe in hospitals, much less so if forced at gunpoint from their parents embrace.

An extremely simple therapy used by physicians who treat autism is to supply a mild antidote that neutralizes the excess acids. The most convenient product is a nonprescription drug called AlkaSeltzer Gold™. Do not use any other kind of AlkaSeltzer™. AlkaSeltzer Gold™ is simply a very safe product (sodium and potassium bicarbonate) that helps to neutralize excess acids of any kind. Dr. William Shaw, Biological Treatments for Autism and PDD

One mother wrote, "It worked so well for both of my children that the die-off was an uneventful experience, even though they both had very high levels of yeast." The restoring of acid/alkaline balance also relieves many allergies. "These children also had grave disturbances in electrolyte chemistry, and tended to be acidotic (low CO). The data that unfolded was fascinating and clearly earmarked the acidosis and hypoxic state (low serum bicarbonate = low O2 levels). Potassium bicarbonate, sodium bicarbonate, magnesium carbonate and the like were used. Now we began to understand why so many children responded to Buffered C (potassium bicarbonate, calcium carbonate, magnesium carbonate), and others needed a more specific buffer (in some children for example niacin was grossly depleted and they required niacin bicarbonate)," wrote Patricia Kane.

5. The acid/alkaline balance is one of the most overlooked aspects of health, though many have written much about it. In general, the American public is heavily acid, excepting vegetarians.

Case three: A 62-year-old patient undergoes surgery in December 1998 for endometrial adenocarcinoma, followed by successive cycles of radiotherapy and anti-hormone therapy. There then followed the thickening of the peritoneum and the growth of several lymph nodes due to carcinosis; from the clinical point of view, the patient's condition decayed with the presence of exhaustion, general swelling, intestinal meteorism, irregularity of evacuation, steady feeling of heaviness and blood pressure instability. Treatment with a 5% sodium bicarbonate solution administered alternately thru an endoperitoneal catheter and via IV showed rapid improvement to a normal condition of health. A final CAT scan confirms the regression of the peritoneal carcinosis and a stabilization of the size of the lymph nodes when compared to the preceding year.

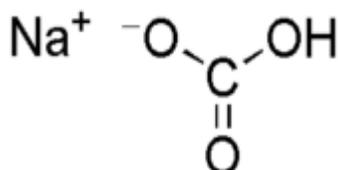
The kidneys are usually the first organs to show chemical damage upon uranium exposure. Military manuals suggest doses or infusions of sodium bicarbonate to help alkalinize the urine if this happens. This makes the uranyl ion less kidney-toxic and promotes excretion of the nontoxic uranium-carbonate complex. The oral administration of sodium bicarbonate diminishes the severity of the changes produced by uranium in the kidneys. [xi]

Case four: A 40-year-old patient underwent surgical intervention (left radical mastectomy) for mammarian carcinoma seven months earlier. After three months of chemotherapy, the patient is affected by: "diffused pulmonary and hepatic metastasis; bone metastasis particularly to the fifth and

sixth lumbar vertebrae, with invasion and compression of the medullar channel, which is causing extreme pain which makes the patient unresponsive to any treatment.” All pain suppressant drugs – morphine included – are totally ineffective and the patient is totally prostrate even unable to sleep. Believing that fungal colonies amassed in the medullar channel will respond to administration of sodium bicarbonate salts, lumbar injections are begun.

Dr Tullio Simoncini recounts: “As I administer it by slowly injecting 50 cc of sodium bicarbonate solution at 8.4 %, the patient tosses and with a thread of a voice confesses to me that she has slept only two hours in the last week. Exhausted, she whispers to me: 'If only I could sleep half an hour tonight.' But the day after, she calls me on the phone and says: 'I have slept all night.' After two more lumbar injections of the bicarbonate salts in the next month, the pain disappeared completely. Magnetic Resonance imaging reports performed before and after treatment were defined by hospital head of the radiology department as 'shocking.'”

6. General information on Sodium Bicarbonate



Sodium bicarbonate is the chemical compound with the formula NaHCO₃. Sodium bicarbonate (baking soda) is commonly used as an antacid for short-term relief of stomach upset, to correct acidosis in kidney disorders, to make the urine alkaline during bladder infections and to minimize uric acid crystallization during gout treatment. Prescription sodium bicarbonate products are given by injection to treat metabolic acidosis and some drug intoxications. Sodium bicarbonate is available as a nonprescription medical as well as a general house hold item. It is also used with other non-prescription drugs for short-term treatment of various conditions to treat anything from fever to moderate pain.

7. Sodium bicarbonate possesses the property of absorbing heavy metals, dioxins and furans. Comparison of cancer tissue with healthy tissue from the same person shows that the cancer tissue has a much higher concentration of toxic chemicals, pesticides, etc.

Sodium bicarbonate neutralizes acids present in gases (in particular hydrochloric acid, sulphur dioxide, hydrofluoric acid) to form sodium salts (sodium chloride, sodium sulphate, sodium fluoride, sodium carbonate), which are all known as Residual Sodium Chemicals. Sodium bicarbonate can be made into a paste salve with vinegar, it relieves burning from bug stings (particularly bee stings), poison ivy, nettles, and sunburn. It is used as an antacid to treat acid indigestion and heartburn. Mixed with water in a 10% solution can soften earwax for removal.

Substituting a sodium bicarbonate solution for saline infusion prior to administration of radiocontrast material seems to reduce the incidence of nephropathy.[xii] Dr. Thomas P. Kennedy American Medical Association

Because sodium bicarbonate has long been known and is widely used, it has many other names including sodium hydrogen carbonate, sodium bicarb, baking soda, bread soda, cooking soda, bicarb soda, saleratus or bicarbonate of soda. It is soluble in water. This white solid is crystalline but often appears as a fine powder. It has a slight alkaline taste resembling that of sodium carbonate. It is a component of the mineral natron and is found dissolved in many mineral springs. It is also produced artificially. World wide production is on the scale of 100,000 ton/year. Sodium bicarbonate is primarily used in cooking (baking) where it reacts with other components to release carbon dioxide, that helps dough "rise."

It is commonly used to increase the pH and total alkalinity of the water for pools and spas. Sodium bicarbonate can be added as a simple solution for restoring the pH balance of water that has a high level of chlorine. It is sometimes used in septic tanks to control pH and bacteria.

Sodium bicarbonate-rich mineral water in conjunction with a low-salt diet may have a beneficial effect on calcium homeostasis.[xiii]

Distilled water is not safe, it lacks bicarbonates and minerals and yes, it is acid forming to the body. Yet it is an excellent aid in detoxification and chelation for its purity pulls on toxicities in the body. Part of the reason why our body is acid is that it lacks enough bicarbonate necessary to neutralize the acid. Whenever the water lacks the proper bicarbonates to neutralize the water in distilled water your body basically becomes a little more acid. But we can easily treat distilled or reverse osmosis water by adding bicarbonate and magnesium and perhaps even some sodium thiosulfate. (The art and science of water treatment will be covered in **The Waters of Life**, another IMVA publication due out later this year. The conscious use of water favorably increases medical outcomes, often it even determines the prognosis. You cannot separate out hydration from pH. Dehydration would certainly push the body toward acidity.)

8. pH of the blood is the most important factor to determine the state of the microorganisms in the blood.

The native chemical and physical properties of sodium bicarbonate account for its wide range of applications, including cleaning, deodorizing, buffering, and fire extinguishing. Sodium bicarbonate neutralizes odors chemically, rather than masking or absorbing them. Consequently, it is used in bath salts and deodorant body powders. Sodium bicarbonate tends to maintain a pH of 8.1 (7 is neutral) even when acids, which lower pH, or bases, which raise pH, are added to the **solution**. Its ability to stabilize makes it a good effervescent ingredient in antacids and denture cleaning products. Sodium bicarbonate is also found in some anti-plaque mouthwash products and toothpaste.

Sodium bicarbonate also is indicated in severe diarrhea which is often accompanied by a significant loss of bicarbonate. Vigorous bicarbonate therapy is required in any form of metabolic acidosis where a rapid increase in plasma total CO₂ content is crucial e.g. cardiac arrest, circulatory insufficiency due to shock or severe dehydration, and in severe primary lactic acidosis or severe diabetic acidosis.

Sodium Bicarbonate Injection, USP is administered by the intravenous route. In cardiac arrest, a rapid intravenous dose of one to two 50 mL vials (44.6 to 100 mEq) may be given initially and continued at a rate of 50 mL (44.6 to 50 mEq) every 5 to 10 minutes if necessary (as indicated by arterial pH and blood gas monitoring) to reverse the acidosis. Caution should be observed in emergencies where very rapid infusion of large quantities of bicarbonate is indicated. Bicarbonate solutions are hypertonic and may produce an undesirable rise in plasma sodium concentration in the process of correcting the metabolic acidosis. In cardiac arrest, however, the risks from acidosis exceed those of hypernatremia.

In the current system, if a promising compound can't be patented, it is highly unlikely ever to make it to market — no matter how well it performs in the laboratory or in emergency room situations. The hormone **melatonin**,^[xiv] sold as an inexpensive food supplement in the United States, has repeatedly been shown to slow the growth of various cancers when used in conjunction with conventional treatments. Dr. Paolo Lissoni, another Italian oncologist has written many articles about this hormone and conducted clinical trials. But he has despaired over the pharmaceutical industry's total lack of interest in his treatment approach.

We need a new approach to fight cancer, one that will work safely and effectively since the majority of us are now destined to have to suffer through cancer at one point or another in our lives. The situation in the field of oncology is horrendous and in the area of childhood oncology they have earned their place in the book *The Terror of Pediatric Medicine*, (which one can download as a free e-book <http://www.imva.info/books.shtml> .)

Most people today cringe at the idea of finding a cancer then slashing, burning and poisoning it to smithereens. Most would agree that the mainstream cancer approach offers only marginal benefits at best, and providers push screening and aggressive treatment in part because they have nothing else to give, and also because it's very profitable.

9. If the body's cellular metabolism and pH is balanced it is susceptible to little illness or disease.

Since 1971, when President Nixon declared war on cancer, the budget of the National Cancer Institute has increased to \$4.8 billion from half a billion and cancer rates are still going up. For most of the past half-century, medical treatment of invasive tumors like those of the breast and colon has relied mainly on drugs, radiation or both, in effect carpet-bombing the DNA of cancer cells. These highly toxic treatments do not address the root causes of cancer and are extremely dangerous medical approaches involving the highest risks.

10. The great variety of cancers must reflect a fundamental mechanism by which the disease arises, one that has not been so clearly apparent until now.

Though allopathic medicine already uses sodium bicarbonate it will not any day soon turn to its own arsenal of already available safe and inexpensive medications like sodium bicarbonate or magnesium chloride. The medical industrial complex seems unwilling to change its views on cancer so patients will need to quietly ask their doctors for intravenous bicarbonate without specifying it as a substance they want to use to cure their cancer. It will be easier to find someone if one approaches with a need to

treat acidic conditions than the actual cancer. Few doctors are willing to risk their licenses so it is better not to put them in an uncomfortable situation that they cannot control.

11. The closer the pH is to 7.35 - 7.45, the higher our level of health and well being and our ability to resist states of disease.

Sadly this does not address the need for the use of catheters which target tumors more directly thus pushing us toward a more complete protocol that will target cancer in a more general and comprehensive way. This needs to be done anyway because killing the tumor with a rush of alkalinity that provokes an oxygen rush into the cells will not prevent the condition from reoccurring. Though we can think that acidity is a basic cause of cancer, a more basic cause is addressed when we look at what leads to the acidic conditions that are so prevalent in our bodies today.

12. Sodium bicarbonate is an anti-fungin substance that is very diffusible and thus very effective.

Dr Tullio Simoncini says, “It is useful to consider the extreme sensitivity of fungi to saline and electrolytic solutions. These solutions, because of their extreme capacity for diffusion, are able to reach all the myceliar biological expressions, including the most infinitesimal ones. **Salts and bicarbonates, by making the “terrain” completely inorganic, eliminates the slightest organic fonts that fungi could use for nourishment.** In this context, sodium bicarbonate, which is currently used in children’s oral candidoses, appears to be a simple and handy weapon capable of uprooting, inhibiting, or attenuating any neoplastic formation wherever it is possible to easily apply it.”

13. Cancer is actually a four-letter word — ACID, especially lactic acid as a waste product due to the low oxygen level and waste products of yeast and fungus.

For centuries, medicated baths have been one of the first lines of treatment for psoriasis. Even today, with sophisticated immunosuppressive treatments available, Dead Sea salts and spa waters are recognized to be beneficial in the management of psoriatic patients.

To assess statistically the efficacy of sodium bicarbonate baths in psoriasis patients, thirty-one patients with mild-moderate psoriasis were studied. Almost all patients who used NaHCO_3^- reported a statistically valuable improvement. NaHCO_3^- baths reduced itchiness and irritation; in general, the patients themselves recognized a beneficial impact on their psoriasis, so much so that they have continued to bathe in NaHCO_3^- even after the end of the study. [xv]

“Sodium bicarbonate therapy is harmless, fast and effective because it is extremely diffusible. A therapy with bicarbonate for cancer should be set up with strong dosage, continuously, and with pauseless cycles in a destruction work which should proceed from the beginning to the end without interruption for at least 7-8 days. In general a mass of 2-3-4 centimetres will begin to consistently regress from the third to the fourth day, and collapses from the fourth to the fifth. Generally speaking, the maximum limit of the dosage that can be administered in a session gravitates around 500 cc of sodium bicarbonate at five per cent solution, with the possibility of increasing or decreasing the dosage

by 20 per cent in function of the body mass of the individual to be treated and in the presence of multiple localisations upon which to apportion a greater quantity of salts,” instructs **Dr Simoncini**.

In the *early stages of acidic pH* in the body’s tissues, the warning symptoms are mild. These include such things as skin eruptions, headaches, allergies, colds, flu and sinus problems. These symptoms are frequently treated (manipulated) with antibiotic drugs and suppressive medications. The longer and the deeper we become acidic the more our illness takes hold so it’s best to fight acidic conditions early on and in every presenting clinical situation. Certainly a highly toxic drug like anti viral Tamiflu won’t do a fraction of the job sodium bicarbonate will do especially if it’s combined with magnesium chloride and iodine as well as high levels of vitamin C.

In *late stages of acidic pH* we need to turn to the most alkaline minerals to increase the amount of alkalinity into cancer cells. Mass spectrographic and isotope studies have shown that potassium, rubidium, and especially cesium are most efficiently taken up by cancer cells. This uptake was enhanced by Vitamins A and C as well as salts of zinc and selenium. The quantity of cesium taken up was sufficient to raise the cell to the 8 pH range. [*xvi*]

There seems little grace left in medicine and it is a disgrace that allopathic medicine does not even use its own emergency medicines, proven heavies like magnesium sulfate and chloride, sodium bicarbonate and iodine to anywhere near a thousandth of a percent of their real medical potentials.

14. Combining pH shift with Heat

In the opening paragraph of this chapter we mentioned killing cancer cells with lasers, with heat.

Give me a chance to create fever and I will cure any disease.
Parmenides 2,000 years ago

Fever is one of the body's own defensive and healing forces, created and sustained for the deliberate purpose of restoring health. The high temperature speeds up metabolism, inhibits the growth of the invading virus or bacteria, and literally burns the enemy with heat. Fever is an effective protective and healing measure not only against colds and simple infections, but against such serious diseases as polio and cancer.

The idea of destroying cancer with heat is certainly not new and has been widely accepted for a very long time, but has had very limited applications because it was finally concluded that, in order to ensure destruction of the cancerous growth, it is necessary to reach a temperature deadly to healthy cells as well. Many attempts have been made to bypass this problem and some methodologies have been developed like: localized hyperthermia, laserthermia, radio-fractionated hyperthermia and TTT. But they all have limitations and cannot complete the job, because they cannot achieve total necrosis and, unless the entire mass of neoplastic tissue is destroyed, the cancer will continue to grow. But:

Hyperthermia gives cancer a hard time:

1. removing accumulations of stored toxic chemicals that cause cancer
2. improving circulation so that tissues are both nourished with oxygen and flushed of acidic metabolic wastes
3. weakening or even killing cancer cells that have a lower tolerance for heat than healthy cells.

Thus we should easily conclude that far-infrared sauna treatments are going to help a cancer sufferer no matter which way we slice the treatment protocol. But for a more targeted heat to kill cancer tumors we have Dr. Antonella Carpenter who has perfected the treatment of cancer cells with heat through her use of lasers. She generates the death of the cells by suffocation via heat. Dr Carpenter, a physicist with a clinic in Little Rock, says, "As long as the entire neoplastic mass is exposed to the laser light, for the correct amount of time, the success is complete and the results, as well as the healing stages, are always the same." Her cancer treatment is called *Light Induced Enhanced Selective Hyperthermia [LEISH]*, [http://www.lasemedinc.com/LEISH_Therapy.html] which in itself pretty much summarizes all the characteristics of this new therapy. With this form of treatment cancer cells reach a deadly temperature level quickly and are subject to irreversible damage and therefore die, either immediately or within 48 hours.

In a separate chapter we will be talking about hyperthermia in another context, that of the hot bathtub which we will learn to fill with healing substances like sodium bicarbonate. We will be creating our own hot springs, healing pools that will do wonders for our health. Medical treatments of the first order can be had right inside your very own bathtub.

15. References

- [i] Holister, Emma (2007 March) "Is cancer caused by the Candida Fungus? Interview with Doctor Tullio Simoncini," <http://candida-international.blogspot.com/2007/03/is-cancer-caused-by-candida-fungus.html> [see article 16.1. below]
- [ii] "Enhancement of chemotherapy by manipulation of tumour pH." Raghunand N, He X, van Sluis R, Mahoney B, Baggett B, Taylor CW, Paine-Murrieta G, Roe D, Bhujwalla ZM, Gillies RJ. Arizona Cancer Center, Tucson 85724-5024, USA.
- [iii] "Enhancement of chemotherapy by manipulation of tumour pH." Raghunand N, He X, van Sluis R, Mahoney B, Baggett B, Taylor CW, Paine-Murrieta G, Roe D, Bhujwalla ZM, Gillies RJ. Arizona Cancer Center.
- [iv] Jerome B. Westin and Elihu Richter, "The Israeli Breast-Cancer Anomaly," in Devra Lee Davis and David Hoel, editors, *TRENDS IN CANCER MORTALITY IN INDUSTRIAL COUNTRIES* (New York: New York Academy of Sciences, 1990, pp. 269-279. Following public outcry, Israel banned these chemicals from being used on feed for dairy cows and cattle. Over the next ten years, the rate of breast cancer deaths in Israel declined sharply, with a 30% drop in mortality for women under 44 years of age, and an 8% overall decline. At the same time, all other known cancer risks -- alcohol consumption, fat intake, lack of fruits and vegetables in the diet -- increased significantly. During this period, worldwide death rates from cancer increased by 4%. The only answer scientists could find to explain this was the reduced level of environmental toxins.
- [v] Metro, M.J. "Sodium Bicarbonate Infusion Found to Reduce Risk of Contrast-Induced

Nephropathy," 2004 *Uro Today*

http://www.urotoday.com/38/browse_categories/renal_cancer/sodium_bicarbonate_infusion_fo und_to_reduce_risk_of_contrastinduced_nephropathy.html [available also on <http://www.REBprotocol.net>]

- [vi] Bar, Joseph G et al "Resuscitation outcome in emergency medical systems with increased usage of sodium bicarbonate during cardiopulmonary resuscitation." *Acta Anaesthesiol Scand.* 2005 Jan;49(1):6 *Entrez PubMed*
- [vii] With the aim to reach the maximum effect, sodium bicarbonate should be administered directly on the neoplastic masses which are susceptible of regression only by destroying the fungal colonies. This is possible by the selective arteriography (the visualisation through instrumentation of specific arteries) and by the positioning of the arterial port-a-cath (these devices are small basins used to join the catheter). These methods allow the positioning of a small catheter directly in the artery that nourishes the neoplastic mass, allowing the administration of high dosages of sodium bicarbonate in the deepest recesses of the organism. With this method, it is possible to reach almost all organs; they can be treated and can benefit from a therapy with bicarbonate salts which is harmless, fast, and effective – with only the exception of some bone areas such as vertebrae and ribs, where the scarce arterial irrigation does not allow sufficient dosage to reach the targets. Selective arteriography therefore represents a very powerful weapon against fungi that can always be used against neoplasias, firstly because it is painless and leaves no after effects, secondly because the risks are very low. [See article 16.3. below]
- [viii] Shih A, Miaskowski C, Dodd MJ, Stotts NA, MacPhail "A research review of the current treatments for radiation-induced oral mucositis in patients with head and neck cancer." *Oncol Nurs Forum.* 2002 Aug;29(7):1063-80.
- [ix] These include, Benzotropines (valium) cyclic antidepressants (amitriptyline), organophosphates, methanol (Methyl alcohol is a cheap and potent adulterant of illicit liquors) Diphenhydramine (Benadryl), Beta blockers (propranolol) Barbiturates, and Salicylates (Aspirin). Poisoning by drugs that block voltage-gated sodium channels produces intraventricular conduction defects, myocardial depression, bradycardia, and ventricular arrhythmias. Human and animal reports suggest that hypertonic sodium bicarbonate may be effective therapy for numerous agents possessing sodium channel blocking properties, including cocaine, quinidine, procainamide, flecainide, mexiletine, bupivacaine, and others.
- [x] Patient safety incidents in U.S. hospitals increased by three percent overall from 2003 to 2005, and the error gap between the nation's best- and worst-performing hospitals remained wide. America's top rated centers had 40 percent lower rates of medical errors than the poorest-performing hospitals, the study showed. The fourth annual HealthGrades Patient Safety in American Hospitals Study, put out by HealthGrades, an independent health care ratings company, examined over 40 million Medicare hospitalization records at almost 5,000 hospitals from 2003 to 2005.
http://news.yahoo.com/s/hsn/20070402/hl_hsn/ushospitalerrorscontinuetorise;_ylt=AhTSuGfeoKOy8MnsTAMXjknMWM0F
- [xi] Goto, Kingo "A study of the acidosis, blood urea, and plasma chlorides in uranium nephritis in the dog, and the protective action of sodium bicarbonate." *The Journal of Experimental Medicine*, Vol 25, 693-719, Copyright, 1917, by The Rockefeller Institute for Medical Research New York <http://www.jem.org/cgi/content/abstract/25/5/693>
- [xii] Merten, G.J. et al "Prevention of contrast-induced nephropathy with sodium bicarbonate: a randomized controlled trial." 2004, *JAMA*, 291 (19): 2328-34, 2376-77,

http://www.urotoday.com/56/browse_categories/renal_transplantation_vascular_disease/sodium_bicarbonate_may_prevent_radiocontrastinduced_renal_injury.html

- [xiii] "Effect of sodium chloride- and sodium bicarbonate-rich mineral water on blood pressure and metabolic parameters in elderly normotensive individuals: a randomized double-blind crossover trial." *J Hypertens*. 1996 Jan;14(1):131-5. Department of Internal Medicine, Universitätsklinikum Benjamin Franklin, Free University of Berlin, Germany.
- [xiv] One of the most important supplements for the breast cancer patient is high doses of the hormone melatonin at bedtime. Melatonin blocks estrogen receptors somewhat similarly to the drug tamoxifen without the long-term side effects of tamoxifen. Further, when melatonin and tamoxifen are combined, synergistic benefits occur. Melatonin can be safely taken for an indefinite period of time. The suggested dose of melatonin for breast cancer patients is 3 mg to 50 mg at bedtime. Caution: Although melatonin is strongly recommended for breast cancer patients, interleukin-2 (IL-2), which often is combined with melatonin, should be avoided by breast cancer patients. IL-2 may promote breast cancer cell division.
<http://www.lef.org/magazine/mag99/jan99-protocols.html>
- [xv] "Old fashioned sodium bicarbonate baths for the treatment of psoriasis in the era of futuristic biologics: An old ally to be rescued;" *Journal of Dermatological Treatment*; Volume 16, Number 1/February 2005
- [xvi] "A mass spectrographic analysis of cancer cells showed that the cell membrane readily attached cesium, rubidium and potassium, and transmitted these elements with their associated molecules into the cancer cell. In contrast cancer membranes did not transmit sodium, magnesium, and calcium into the cell: the amount of calcium within a cancer cell is only about 1% of that for normal cells. Potassium transports glucose into the cell. Calcium and magnesium transport oxygen into the cell. As a consequence of the above, oxygen cannot enter cancer cells so the glucose which is normally burned to carbon dioxide and water undergoes fermentation to form lactic acid within the cell. This anaerobic condition was pointed out by Warburg, as early as 1924. Potassium, and especially rubidium and cesium are the most basic of the elements. When they are taken up by the cancer cells they will thus raise the pH of the cells. Since they are very strong bases as compared to the weak lactic acid it is possible that the pH will be raised to values in the 8.5 to 9 range. In this range the life of the cancer cell is short, being a matter of days at the most. The dead cancer cells are then absorbed by the body fluids and eventually eliminated from the system." Brewer, A. Keith, (1984) "The High pH Therapy for Cancer Tests on Mice and Humans." *Pharmacology Biochemistry and Behavior*, 1984, v. 21, Suppl., 1, 1-5. Available at: <http://www.mwt.net/~drbrewer/highpH.htm> [available also on <http://www.REBprotocol.net>]

16. Addenda: Three articles

16.1. Is Cancer Caused by the Candida Fungus? Interview with Doctor Tullio Simoncini

By Emma Holister [EH] 2007 March 5

Extracted from: <http://candida-international.blogspot.com/2007/03/is-cancer-caused-by-candida-fungus.html>

Tullio Simoncini [TS]

EH: Having read your articles about your revolutionary cancer therapy, I cannot help but wonder how difficult it has been for you to continue working as an oncologist in the world of mainstream medicine.

What has been the response of the medical authorities to your work?

TS: Suppression. Plots. Defamatory TV programs. When a scientist has an effective and revolutionary idea, the medical institution attempts to suppress his work because he threatens the interests of the ruling class. No matter how effective the therapy in question is, their aim will be to destroy him.

Those in power ensure that the following things are put into action:

- 1) dismissal from the medical associations,
- 2) instigation of newspaper and TV campaigns portraying him as a charlatan,
- 3) mounting attacks against him from the judicial system,
- 4) constant police harassment at home.

EH: What are the things preventing our current medical system from embracing your theories about cancer being caused by a fungus (Candida) and your treatment of tumours using bicarbonate of soda?

TS: One: there is a selfishness and lack of spirituality within the medical ruling class. It prevents them from looking beyond their acquired ignorance. Two: the fundamental theory behind cancer is based on the hypothesis that it is caused by a genetic disorder resulting in an over-reproduction of the cancerous cells. This theory is simply wrong and has never been demonstrated.

EH: Do you believe these problems can be overcome, and if so, how?

TS: Yes, I do. It will be achieved through grassroots activism, which will establish freedom in medical research. If large numbers of people in a country gather and work together, it is possible to demand that the authorities allow for freedom in medical research. This can be done through demonstrations and informing people via the media.

EH: How many cases of cancer have you been able to cure? Surely your results must have at least attracted the attention of your colleagues in the medical world?

TS: I have treated hundreds of patients. Most of them had extremely advanced cancer, especially after having been subjected to conventional therapies. Many of them made a complete recovery and are still alive and well years after the treatment.

In the cases of cancers caught early (lumps smaller than 3cm, with minimal incidence of metastasis) 90% of patients have made a recovery.

Many doctors agree with my methods and have used the sodium bicarbonate treatment.

EH: Is there no way that you could use this evidence to put pressure on the establishment to take your work more seriously?

TS: No, because it is necessary to demonstrate one's results with many hundreds of fully documented cases. This is not possible unless you work in a cancer clinic.

EH: Many women suffering from Candida are plagued by persistent long-term gynaecological problems, from thrush to reproductive cancers. What would be your advice to them?

TS: To uproot persistent gynaecological fungal infections one should do a douche every day with two litres of pure water (that has been boiled and left to cool) containing two dissolved tablespoons of bicarbonate of soda. This should be kept up for two months, stopping only during one's period. Candida is very persistent and it takes a long time to kill an infection.

EH: Although your views on cancer and fungus are revolutionary within the context of mainstream medicine, within alternative medicine your views of what Candida is and how it functions in the body

appear to differ from many alternative practitioners who view Candida as a systemic problem affecting the whole body and originating in the intestines. From what I gather you do not see the Candida problem as residing in the gut. If you believe that the Candida yeast is not the cause of the various intestinal problems usually associated with Candidiasis, what in your opinion is the cause?

TS: The main cause is environmental. Secondly, there is a resulting lack of energy caused by alterations in the blood circulation. Thirdly, diet. The problem is, why does a person have intolerances to sugar, yeast, eggs, milk etc? Before these developed, damage had been caused. The gut's epithelium is impaired and that causes the intolerances. It is important to cure this, and then it is possible to see if the related problems continue.

It is not good to avoid a particular food for ever, because it doesn't deal with the root cause of the illness, which is usually caused by problems within the environment, from impaired energy levels and poor diet.

For example, a person who has heart disease may suffer from chronic dilatation of the gut (in this way the heart works less), and an intolerance is the result . . . Another example is a person who suffers from cooling syndrome. This provokes congestion and consequently intolerances. And so on.

Therefore it is necessary to cure the illness at its root cause, not just the symptoms by avoiding this or that food.

EH: Finally, what is your opinion of the situation that many alternative health practitioners find themselves in with regard to the anti alternative medicine campaigns being waged against them by the medical authorities, the medical press and national media, for example Quackbusters? What do you feel is needed to protect alternative therapists such as yourself, and the patients who come to you for help?

TS: My opinion is that the alternative practitioners are scared and don't have the means to fight the lies perpetrated by mainstream medicine. The medical world needs to be liberated in order to allow patients freedom of choice in healthcare. Most illnesses are the result of an unhealthy lifestyle, and as such, drugs are useless and can only do damage. Furthermore, archaic institutions such as the medical associations frequently pressure doctors into prescribing only useless, toxic and harmful treatments.

16.2. CANCER AND FUNGUS: A Path of Personal Research

By Dr Tullio Simoncini

One of the questions that I am asked most frequently when the issue of this new anti-cancer therapy comes up is how it all began, how the idea first struck me that cancer could be a fungus, and the motives and events that induced me to drift away from official oncology. It all began when I was attending an introductory course in histology. When the professor described tumours as some terrible and mysterious monster, I felt indignant – as one does if told “*Everyone is powerless before me*” – that was the implicit threat when it came to cancer – “*your minds are too small to understand me.*”

That was when the war began, my personal war against cancer. I was aware that I could win it only by focusing all my resources and mental energy -- conscious and unconscious -- in the right direction. And I believed this could only be found by using a critical approach to the official line of thought, a line of thought which is built on many unknowns and very few certainties.

The biggest task, therefore, consisted initially of acquiring the necessary knowledge for this research, and at the same time putting anything that I was studying under critical analysis. In other words I had to keep in mind that everything I was learning might well be false.

So, as the years went by my convictions deepened – particularly later, when working in hospital wards, where I realised that medicine was not only unable to resolve the cancer problem, but also that of the majority of diseases. Which is still, unfortunately, true today. This is because, apart from success in various sectors in the treatment of specific symptoms of these diseases, medicine is unable to offer any conclusive benefit. Hypertension, diabetes, epilepsy, psoriasis, asthma, arthritis, Crohn's Disease, and many more are typical examples of this.

Apart from my distrust with regard to the effectiveness of medicine, over time my experience in the clinical field had begun to weigh upon me so heavily that I was finding it difficult to deal with. These feelings were aggravated each time I was faced with desperate cases. This led to a crisis where I at first wanted to leave. However, it then turned into a desire to stay on and '*fight in the trenches*' in order to think about and develop new solutions.

Little by little, working endless hours in the university's paediatric oncology emergency ward, where I was finishing my thesis, my mind began to explore. Towards the end I was finding it painfully difficult to see the patients, their relatives, my professors, colleagues, the nurses - even people in general, such were my feelings of alienation in a system that I believed to be totally bankrupt.

I was wondering, ... '*and my profession, the university career, my social position, what will happen to them?*'

After all, it would have been very difficult to survive on ideas alone, especially in a medical world where job opportunities were diminishing on a daily basis to the extent that there were very few possibilities of employment worth considering.

On the other hand, I was not particularly attracted to the university environment. In fact, I saw it as an enmeshed and unpleasant entity that prevented the achievement of any scientific goal; distracting, as it does, the best intellectual and personnel resources from science by channelling them towards irrelevant and superficial arguments.

From that point on it was clear which direction I was to take. I left the faculty of medicine and enrolled for a physics degree. I studied for several years in order to develop a more scientific mind-set and in order to explore the infinite aspects of research in detail.

At the same time, I started to investigate other medical approaches including alternative medicine which, although officially ridiculed, had many followers, especially amongst those patients who could not endure excessively aggressive therapeutic methods. Experience after experience led me to understand that the *raison d'être* of these alternative methods was to fill the gap left by conventional medicine and its inability to solve the patients' problems. The patients seemed to get greater benefit from those therapies that evaluated them and treated them as a whole being and not simply with unsatisfactory treatments for their symptoms.

It was when I was setting up a naturopathic practice that I had the idea of cancer's being caused by fungus. When I was treating a patient who had psoriasis, using corrosive salts, I realised that the salts worked because they were destroying something – and that something was fungus.

From that realisation I deduced the solution I had been so long searching for: if psoriasis, an incurable disease, is caused by a fungus, then it is possible that cancer, another incurable disease, could be caused by a fungus. That link was what started all the experiences, the experiments, the verifications and the results, through relentless and "*underground*" work that brought great professional satisfaction to me and that allowed me to perfect a therapy that is very effective against tumorous masses, that is, against fungal colonies.

Once the causal role of fungus in tumour proliferation was hypothesised, the problem of how to attack it in deep internal tissue arose, since in those areas it was not possible to use salts that were too strong. It then occurred to me that with oral-pharyngeal candidiasis of breastfed babies, sodium bicarbonate was a quick and powerful weapon capable of eliminating the disease in three or four days. I thought that if I could administer high concentrations orally or intravenously, I might be able to obtain the same result. So I started my tests and my experiments, which immediately provided me with tangible results.

Amongst these, one of the first patients I treated was an 11-year-old child, a case which immediately indicated that I was on the right track. The child arrived in a coma at the paediatric haematology ward around 11:30 in the morning, with a clinical history of leukaemia. Because of the child's disease he had been taken from a small town in Sicily to Rome, through the universities of Palermo and Naples, where he underwent several chemotherapy sessions. His desperate mother told me that she had been unable to speak with the child for 15 days; that is, since the child had been on his journey through the various hospitals. She said she would have given the world to hear her son's voice once again before he died. As I was of the opinion that the child was comatose both because of the proliferation of fungal colonies in the brain and because of the toxicity of the therapies that had been performed on him, I concluded that if I could destroy the colonies with sodium bicarbonate salts and at the same time nourish and detoxify the brain with glucose administered intravenously, I could hope for a regression of the symptoms.

And so it was. After a continuous intravenous infusion of bicarbonate and glucose solutions, at around 7pm, when I returned to the university, I found the child speaking with his mother, who was in tears.

Since then, I have continued in this field and I have been able to treat and to cure several people, mostly during a period of three years when I was a voluntary assistant at the Regina Elena Tumour Institute in Rome. In 1990, although my time was almost totally occupied with work in a centre for diabetes, owing to changes in my personal life I decided to increase my research in the field of cancer, a disease that was always foremost in my mind, although I had in recent years been forced to neglect it.

Before resuming my combat against cancer, however, I felt the need to better explore the rationale of medicine and therefore of oncology so that I could acquire the intellectual, critical and self-critical attributes necessary in order to understand where hidden errors may lie.

I enrolled for a philosophy degree, which I completed in 1996. That was the year when, feeling more composed, I began making contacts within the world of oncology again, attempting first of all to make my theories and treatment methods known, especially within the more accredited institutions.

So, the Ministry of Health, the Italian and foreign oncology institutes, and oncology associations were made aware of my research and my results - but there was no acknowledgement at all. All I encountered were colleagues, variously qualified, who tended to be condescending and who seemed only capable of uttering the magic word: genetics.

I thought to myself '*This will lead us nowhere*'. In fact, I found myself in a situation with no way out. I had so many great ideas and some positive results, but no opportunity to check them with patients affected by tumours, in an authoritative scientific context.

I decided to be patient and to continue getting results, treating patient after patient and at the same time trying to become known by as many people as possible, especially in the field of alternative medicine where at least there was an openness and an opportunity to contact professionals who already had a critical attitude towards official medical thought. It was during that time that, for lack of any alternative, I started my research on the Internet. And I soon found contacts, friends and consensus, all

of which allowed me to spread my theories, but – even more importantly – they gave me the psychological thrust necessary to continue my personal fight against the sea of sterility and self-evidence that exists in mainstream medicine.

I took comfort from the knowledge that my idea, my little torch, would not go out but could take root somewhere. I started to hope again that, given the validity of the message, sooner or later it would find a way to being shared and accepted by an ever-growing number of people. Slowly, in that way, I was able to get my theory about cancer known and to share it with the public at conferences, in interviews and at conventions. All that widened my field of action and gave me the opportunity to accumulate a remarkable amount of experience and of clinical results.

Friends pointed out to me, however, that my therapies with sodium bicarbonate solution, although they were effective, needed to evolve in terms of their methodology, as some types of cancer could either not be reached in any way or at least reached insufficiently.

Sodium bicarbonate administered orally, via aerosol or intravenously can achieve positive results only in some tumours, while others – such as the serious ones of the brain or the bones - remain unaffected by the treatment. These were the reasons I got in touch with several colleagues, especially interventionist radiologists, and I was finally able to reach those areas of the body that had previously been inaccessible. This was achieved through positioning appropriate catheters either in cavities for peritoneum and pleura, or in arteries to reach other organs.

16.3. SELECTIVE ARTERIOGRAPHY

By Tullio Simoncini

The basic concept of my therapy is the administration of a solution with a high content of sodium bicarbonate directly onto tumours. These are susceptible to regression only if one destroys the fungal colonies.

It was the ongoing search for ever more effective techniques to allow me to get as close as possible to the inner tissues that led me to the idea of selective arteriography (visualisation using instruments on specific arteries) and positioning an arterial port-a-cath (devices joining the catheter). These methods make it possible to place a small catheter directly into the artery that nourishes the tumour, and administer high doses of sodium bicarbonate to the deepest recesses of the tumour

In the past, for example, when I had the opportunity to treat a brain tumour, although I was able to improve the condition of the patient, I could not treat the tumorous mass at a deep enough level. I have countless times wasted my breath begging neurologists and neurosurgeons to perform the operation of inserting the catheter so that I could use it to do a further local treatment.

Today, with selective arteriography of carotids, it is possible to reach any cerebral mass without surgical intervention and in a completely painless manner. By the same token, almost all organs can be treated and can benefit from bicarbonate salts therapy, which is harmless, fast and effective – with only the exception of some bone areas such as vertebrae and ribs, where the scarce arterial irrigation does not allow sufficient dosage to reach the targets.

Selective arteriography therefore represents a very powerful weapon against fungus that can always be used against tumours, firstly because it is painless and provokes no side effects, and secondly because the risks are very low.

Technically, it is performed as follows: after sterilising and anaesthetising the surface levels, a needle is introduced into the artery that is to be used as an inlet port (usually the sub-clavian); then a metal guide

that is visible to the angiologist is inserted and can be used to locate the selected artery. The last step consists of getting the small catheter to administer the solution where necessary. Then the catheter is fitted to a subcutaneous port-a-cath that stays in the selected location as long as necessary.

This very low-risk intervention creates no more pain than an intravenous injection and allows patients to be treated at home, although under constant medical supervision.

17. An Medical news commentaries internet follow up post on 2007 August 11:

Winning the War on Cancer International Medical Veritas Association

Mark Sircus Ac., OMD Director International Medical Veritas Association

Listen and watch Dr. Simoncini demonstrate live fungi colonies and their destruction with sodium bicarbonate. 24 mins. Audio barely audible.

<http://video.google.it/videoplay?docid=-598800713255508140&hl=it>

Dr. Simoncini deserves the highest award in medical science for his genius and medical courage in discovering and developing what might come to be seen as the single greatest medical breakthrough of the century. Literally billions of people are going to owe him a debt of eternal gratitude. Simoncini makes the connection that fungal colonies and cancer colonies are the same colonies called by two different names. He is not alone in this and he is not alone in the world of medical science with the knowledge that sodium bicarbonate is effective at wiping out fungal colonies. What he is alone with is connecting the dots between cancer, fungal and yeast infections and bicarbonate.

Physicians normally do not believe that yeast and fungi cause serious health threats but they are dead wrong.

Dr. H. Takeuchi et al in Japan analyzed 20 cases of urinary fungal infection. *Candida albicans* was the most prevalent of the fungi affecting the urinary tract. *Torulopsis glabrata* and *Candida tropicalis* were also prevalent. Antibiotics, indwelling catheter and obstructive uropathy were the most prevalent predisposing factors of the fungal infection. Of 20 cases of fungal infection, 5 cases were cured only by elimination of the predisposing factors, and **15 cases were treated and resolved by administration of sodium bicarbonate**, 5-fluorocytosine and or irrigation with amphotericin B. But one case of bilateral renal torulopsiosis developed into renal failure, and 4 cases died of the primary disease.[i]

Sodium Bicarbonate has been successfully proven its antifungal value in agriculture to resolve fungal issues in vegetation, including many destructive diseases such as anthracnose, powdery mildew, black spot in crops and horticultural industries. It has been successfully used to protect crops from fungus during storage.

Dr. Simincini uses the lab procedures and protocols for using intravenous sodium bicarbonate as approved by the FDA for cardiac infarctions to treat most cancers. Being that the present day survival

rate of 5 years in the US is less than 2 ¾% due to protocols the medical profession uses, **Dr. Simoncini's outstanding success in the 90% remission rate and some as long as 20 years should shatter modern medicine's fixed ideas about cancer.** "If the fungi are sensitive to the sodium bicarbonate solutions and the tumour is smaller than 3 cm, the percentage will be around 90%, for terminal cases in which the patient is in reasonably good conditions is 50% and for terminal patients just a small percentage," reports Simoncini, whose treatments take approximately 30-45 days.

The IMVA is working with Dr. Simoncini to increase these numbers; waging war on fungal and yeast colonies, catching the bastards in a cross fire of concentrated nutritional substances. It's a battle the fungus and yeast can't win, therefore it's actually not a fight. They can be so trapped that there is no chance they can survive if caught in time and if the bicarbonate can be delivered deeply into the infected tissues.

The orthodox medical establishment could help out greatly in this by providing an open mind and the cooperation of interventional radiologists for placement of the arterial catheters necessary to reach the deepest tissues in the most direct manner. Though nothing the orthodox oncology community ever did made sense we we should demand that they will embrace this revolution in cancer treatment for it is their responsibility to do so. It is what they get paid to do.

Until they do we are creating a protocol that will compensate for the fact that these medical procedures are not currently available, except perhaps in Rome, which is the home territory of Dr. Simoncini. By amplifying the bicarbonate treatments with magnesium chloride, iodine, vitamin C, selenium, ALA and other substances and treatments we can add to the power, depth and majesty of cancer treatments always with the thought of removing the causes, the heavy metals, the mental, emotional and spiritual traumas, the poisons in our foods and environmental solutions that plague us from all sides.

Breast Cancer Patient in Europe Shares her success with bicarbonate In English. 15 mins. <http://video.google.it/videoplay?docid=8718775950691314311>

These videos reveal an astonishing truth about cancer and its safe successful treatment. For other videos see Dr. Simoncini's site at <http://www.cancerfungus.com/> Doctors and medical scientists have made the dire mistake of assuming that fungal conditions develop **after** cancer treatment have begun. Researchers contend that cancer therapies, aimed at destroying cancer, also destroy the immune system of the patient leaving them vulnerable to yeasts and fungi, which multiply out of control. They consider these invading colonies to be "**secondary**" to the actual cancer.

But they are wrong. **Candida, and its many variants are not only the cause of cancer, they are the cancer.** The question is not if cancer is cancer the answer is cancer is an invasion of Candida colonies. The 100 year old hypothesis that has led medical science in circles, that cancer are human cells multiplying without limit, turns out to be just another invention, an unproven fantasy that no one has ever demonstrated. Dr. Simoncini insists that there is no evidence at all for the genetic hypothesis and this gets proven out with the fact that orthodox cancer treatments do not work. Modern oncology is a complete failure and every doctor knows this in his heart and soul.

Fungi are heterotrophs, meaning that they secrete digestive enzymes and absorb the resulting soluble nutrients from whatever they are growing on.

The following [taken] from **Survival Medicine** yields a clear view of the enemy we are up against.

A new area of research being driven by Dundee University in Scotland is revealing remarkable abilities of fungi to interact with minerals and metals. Led by Professor Geoffrey Gadd in the College of Life Sciences, the research explores the unique taste that fungi seems to have for rock and heavy metal. Yeasts, moulds and mushrooms are all fungi and there are an estimated 1.5 million different species in the biosphere. By breaking down dead organic material, they continue the cycle of nutrients through ecosystems, and most plants could not grow without the symbiotic fungi that inhabit their roots and supply essential nutrients.

Fungi will also live almost anywhere. They have been found growing in the harshest of environments, in the desert and polar regions, in the sea and on rocks. "The fact that fungi interact with heavy metals has potentially important consequences for human activity. Fungi also play a significant, if often overlooked, role in the degradation of rocks and stone - including building materials," Professor Gadd said. "Despite this, their role as agents of environmental change has not been fully appreciated." Rocks are composed of minerals, the vast majority of which contain metals. They might be considered to be an inhospitable habitat for life to flourish yet fungi can thrive even in the harshest of environments. Mycoplasma, which are fungus like organisms, in order to survive, need heavy metals, of which there are great amounts today in people's bodies, especially around our glandular organs, such as pancreas, thyroid, pineal, thymus, adrenal glands etc. where heavy metals tend to stay. This is where the fungus will set up colonies to hide and will thrive on the heavy metals. A great majority of people who have Candida also have very high heavy metals.

The ability of fungi to grow on a range of rocks and mineral-based surfaces, including concrete and other building materials is significant, with positive and negative implications. **Fungi produce acidic by-products which help them use nutrients in the minerals but this begins to decompose the rock in a form of biological weathering (bioweathering)**. This can result in the return of essential nutrients and metals like calcium, phosphate and potassium back into the soil where they can nourish plants and microbes. In other cases, the released elements can form other minerals.

"This ability of fungi to attack and degrade concrete and other materials has implications not only for the weathering and corrosion of buildings but is also relevant to nuclear decommissioning, for example," Professor Gadd said. Imagine what fungi can do to the brain if they can eat out the concrete esophagus put around nuclear sites like Chernobyl.

