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Sodium Carbonate vs Cancer (II)

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<http://www.wakingtimes.com/2015/07/02/why-oncologists-dont-like-baking-soda-cancer-treatment/>

July 2, 2015

<http://drleonardcoldwell.com/2013/11/01/stage-4-cancer-gone-with-baking-soda-treatment/comment-page-1/>

Nov 01, 2013

Why Oncologists Don't Like Baking Soda Cancer Treatment

by

Dave Mihalovic

Even the most aggressive cancers which have metastasized have been reversed with baking soda cancer treatments. Although chemotherapy is toxic to all cells, it represents the only measure that oncologists employ in their practice to almost all cancer patients. In fact, 9 out of 10 cancer patients agree to chemotherapy first without investigating other less invasive options.

Doctors and pharmaceutical companies make money from it. That's the only reason chemotherapy is still used. Not because it's effective, decreases morbidity, mortality or diminishes any specific cancer rates. In fact, it does the opposite. Chemotherapy boosts cancer growth and long-term mortality rates and oncologists know it.

A few years ago, University of Arizona Cancer Center member Dr. Mark Pagel received a \$2 million grant from the National Institutes of Health to study the effectiveness of personalized baking soda cancer treatment for breast cancer. Obviously there are people in the know who have understood that sodium bicarbonate, that same stuff that can save a person's life in the emergency room in a heartbeat, is a primary cancer treatment option of the safest and most effective kind.

Studies have shown that dietary measures to boost bicarbonate levels can increase the pH of acidic tumors without upsetting the pH of the blood and healthy tissues. Animal models of human breast cancer show that oral sodium bicarbonate does indeed make tumors more alkaline and inhibit metastasis. Based on these studies, plus the fact that baking soda is safe and well tolerated, world renowned doctors such as Dr. Julian Whitaker have adopted successful cancer treatment protocols as part of an overall nutritional and immune support program for patients who are dealing with the disease. The Whitaker protocol uses 12 g (2 rounded teaspoons) of baking soda mixed in 2 cups water, along with a low-cal sweetener of your choice. (It's quite salty tasting.) Sip this mixture over the course of an hour or two and repeat for a total of three times a day. One man claims he has found a cure for cancer using baking soda and molasses and actually successfully treated his own disease by using baking soda.

When taken orally with water, especially water with high magnesium content, and when used transdermally in medicinal baths, sodium bicarbonate becomes a first-line medicinal for the treatment of cancer, and also kidney disease, diabetes, influenza and even the common cold. It is also a powerful buffer against radiation exposure, so everyone should be up to speed on its use. Everybody's physiology is under heavy nuclear attack from strong radioactive winds that are circling the northern hemisphere.

Dr. Robert J. Gillies and his colleagues have already demonstrated that pre-treatment of mice with baking soda results in the alkalinization of the area around tumors. The same researchers reported that bicarbonate increases tumor pH and also inhibits spontaneous metastases in mice with breast cancer.

What is Baking Soda?

Baking soda is a white crystalline solid that appears as fine powder. It is also called cooking soda, bread soda and bicarbonate of soda. Its chemical name is sodium bicarbonate or sodium hydrogen carbonate.

Baking soda is different from washing soda (sodium carbonate) although they share the same slightly salty and alkaline taste.

This widely used soda is commonly dissolved in mineral water and used as a leavening agent in baking. It works as a leavening agent by neutralizing the acidic components of batter. The neutralization releases carbon dioxide and leads to the "raising" or expansion of baked foods.

Baking soda has also been used to soften vegetable and to tenderize meat.

As a household chemical, baking soda is used as a cleaning agent. It is included in toothpastes for similar reasons where it serves as an antiseptic, acid-neutralizer, whitening agent and plaque-removing agent as well as a cleaning agent.

Other common personal hygiene products in which baking soda can be found include deodorants and shampoos.

Baking Soda and pH Medicine

The pH of our tissues and body fluids is crucial and central because it affects and mirrors the state of our health or our inner cleanliness. The closer the pH is to 7.35-7.45, the higher our level of

health and wellbeing. Staying within this range dramatically increases our ability to resist acute illnesses like colds and flues as well as the onset of cancer and other diseases. Keeping our pH within a healthy range also involves necessary lifestyle and dietary changes that will protect us over the long term while the use of sodium bicarbonate gives us a jump-start toward increased alkalinity.

The pH scale is like a thermometer showing increases and decreases in the acid and alkaline content of fluids. Deviations above or below a 7.35-7.45 pH range in the tightly controlled blood can signal potentially serious and dangerous symptoms or states of disease. When the body can no longer effectively neutralize and eliminate the acids, it relocates them within the body's extra-cellular fluids and connective tissue cells directly compromising cellular integrity. Conversely when the body becomes too alkaline from too much bicarbonate in the blood, metabolic alkalosis occurs, which can lead to severe consequences if not corrected quickly.

Jon Barron presents a way of looking at pH that opens up one of the major benefits of alkaline water:

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

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

How Baking Soda Can Help "Cure" Cancer

Basically, malignant tumors represent masses of rapidly growing cells. The rapid rate of growth experienced by these cells means that cellular metabolism also proceeds at very high rates.

Therefore, cancer cells are using a lot more carbohydrates and sugars to generate energy in the form of ATP (adenosine triphosphate).

However, some of the compounds formed from the energy production include lactic acid and pyruvic acid. Under normal circumstances, these compounds are cleared and utilized as soon as they are produced. But cancer cells are experiencing metabolism at a much faster rate. Therefore, these organic acid accumulate in the immediate environment of the tumor.

The high level of extracellular acidity around the tumor is one of the chief driving force behind the metastasis of cancer tumors.

Basically, cancer cells need an acidic environment to grow and spread rapidly.

Some cancer experts, therefore, believe that by buffering the tumor microenvironment with an alkalizing compound, the pH of tumors can be raised enough to starve them and stop their growth and spread.

Curiously, this rather simple solution to cancer has been proven right.

What is even more remarkable is that there is no need to cook up some fancy synthetic drug to lower the acidity in the immediate environment of the tumor. A simple, commonly obtained compound like sodium bicarbonate will do.

Obviously, it is desirable to deliver the sodium bicarbonate as close to the tumor as possible since its pH-raising effect is needed in the microenvironment of the tumor. Therefore, directly injecting sodium bicarbonate in the tumor site is considered a better solution than oral administration. However, oral sodium bicarbonate is just safer and can be readily used at home.

A 2009 study published in the journal, Cancer Research, is among the first to confirm that the alkalinizing effect of sodium bicarbonate can indeed stop cancer.

By injecting sodium bicarbonate into a group of mice, the authors of the study were able to determine how the growth and spread of cancer tumors were effected by raising the pH of the organ affected by the cancer.

The study results showed that baking soda indeed raised the pH and reduced spontaneous metastases in mice induced with breast cancer.

The researchers also determined that sodium bicarbonate works by raising the pH outside cells and not within cells. This is an important finding because it suggests that sodium bicarbonate does not interfere with cellular metabolism even as it makes the microenvironment uncondusive for tumor growth.

Other findings from this study show that baking soda:

- Reduced the involvement of the lymph node on the transport of cancer cells
- Does not lower the levels of circulating tumor cells
- Reduced the involvement of the liver and, therefore, the spread of tumor cells to other organs
- Inhibit the colonization of other organs by circulating tumor cells

The Baking Soda Formula for Cancer

To make the baking soda natural cancer remedy at home, you need maple syrup, molasses or honey to go along with the baking soda.

In Dr. Sircus' book, he documented how one patient used baking soda and blackstrap molasses to fight the prostate cancer that had metastasized to his bones. On the first day, the patient mixed 1 teaspoon of baking soda with 1 teaspoon of molasses in a cup of water.

He took this for another 3 days after which his saliva pH read 7.0 and his urine pH read 7.5.

Encouraged by these results, the patient took the solution 2 times on day 5 instead of once daily. And from day 6 – 10, he took 2 teaspoons each of baking soda and molasses twice daily.

By the 10th day, the patient's pH had risen to 8.5 and the only side effects experienced were headaches and night sweat (similar to cesium therapy).

The next day, the patient had a bone scan and too other medical tests. His results showed that his PSA (prostate-specific antigen, the protein used to determine the severity of prostate enlargement and prostate cancer) level was down from 22.3 at the point of diagnosis to 0.1.

Another baking soda formula recommends mixing 90 teaspoons of maple syrup with 30 teaspoons of baking soda.

To do this, the maple syrup must be heated to become less viscous. Then the baking syrup is added

and stirred for 5 minutes until it is fully dissolved.

This preparation should provide about 10-day worth of the baking soda remedy. 5 – 7 teaspoons per day is the recommended dose for cancer patients.

Care should be taken when using the baking soda remedy to treat cancer. This is because sustaining a high pH level can itself cause metabolic alkalosis and electrolyte imbalance. These can result in edema and also affect the heart and blood pressure.

One does not have to be a doctor to practice pH medicine. Every practitioner of the healing arts and every mother and father needs to understand how to use sodium bicarbonate. Bicarbonate deficiency is a real problem that deepens with age so it really does pay to understand and appreciate what baking soda is all about.

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Marty Pagel, PhD, awarded \$2 million NIH grant to study impact of baking soda on breast cancer

University of Arizona Cancer Center member Mark “Marty” Pagel, PhD, will receive a \$2 million grant from the National Institutes of Health to study the effectiveness of personalized baking soda therapy to treat breast cancer.

The grant will be used to help refine a new magnetic resonance imaging method for measuring pH, or acid content, of a tumor that has been discovered in a patient but not yet treated. By measuring the acid content of the tumor, doctors can monitor the effectiveness of personalized treatments such as baking soda on both tumors and healthy tissue, and even predict the effectiveness of chemotherapies before the patient starts the medication.

Dr. Pagel, a member of the UACC's Cancer Imaging program and an associate professor of biomedical engineering, has worked extensively on this research, collaborating with Ian Robey, assistant professor of research at the UACC, and clinical collaborators Alison Stopeck, MD, Setsuko Chambers, MD, and Phil Kuo, MD, PhD.

Dr. Pagel credits the Community Foundation of Southern Arizona and the Phoenix Friends of the Arizona Cancer Center with the generous gifts that allowed him and his team to lay the groundwork for the research that led to the NIH grant

<http://phkillscancer.com/protocol>

http://preventdisease.com/news/11/082411_Baking-Soda-Molasses-Protocol-Cure-Many-Cancers.shtml

Baking Soda Molasses Protocol May Cure Many Cancers

One man claims he has found a cure for cancer and actually successfully treated his own by using baking soda.

Vernon Johnston was diagnosed with stage IV aggressive prostate cancer which metastasized to his bones. He initially turned to Cesium, but ended up using a baking soda molasses protocol as a natural cure which eliminated his cancer and has worked for hundreds of others.

Johnston says "it is very important for those of us who have done or are doing this [baking soda cancer cure] that we focus on an Alkaline Diet. At the very least, for those of us who are recovering I suggest a diet of at least 80% Alkaline and 20% Acidic..."

Protocol

1) Buy Arm & Hammer Baking Soda OR Bob's Red Mill Aluminum Free Baking Soda. (Arm & Hammer is supposedly aluminum free also. Arm & Hammer was used in this protocol.)

2) Buy Black Strap molasses OR Organic Maple syrup, Grade B.

3) Buy pH test strips; strips don't run and are easy to use. Litmus paper may also be used along with the strips.

4) Buy a good brand of potassium.

5) Mix 1 teaspoon baking soda & 1 teaspoon molasses/syrup in 1 cup water.

(May be warmed in a pan for dissolving, but this isn't required; room temperature is fine. If you heat it, heat on low. Heat the water and baking soda together, turn off heat, and then add the molasses or syrup. Don't use a microwave!)

6) Drink this solution once a day for 5 days.

(Always drink the solution 2 hours before or after a meal.)

7) Test your pH often; both your saliva and your urine.

(The pH must be brought to the normal/alkaline level which is 7.2 - 7.5. This level should cause cancer cells to go dormant; and a level of 8.0 - 8.5 should kill them; and so it is advisable to bring your pH level to 8.0 - 8.5 for 4 to 5 days ONLY, and then lower again to normal.)

8) On day 6, mix 2 teaspoons baking soda & 2 teaspoons molasses/syrup in 1 cup water; drink twice a day. Continue this formula through day 7.

(You may begin to feel a little nauseous or queasy, and your stool may become yellowish. This is expected. Something good is happening in your body - something bad to the cancer. Also, your lips may tingle and you may get Oxygen Euphoria and even a slight headache. This is expected and may eventually lessen.)

9) On day 8, drink the mixture 3 times a day through day 11.

(You may get some diarrhea and feel a little weak. This is expected. But taking potassium daily while on this BAKING SODA CURE should lessen your loss of energy. You should take a high dosage of potassium daily with this cure. On day 9 or 10 of this dosage, you may get night sweats. This is expected. What you are doing right now is getting your pH to 8.0 - 8.5 and (more or less) holding that for a few days. If you feel the side effects are too strong, you may always go back to taking the mixture twice a day, and when the symptoms lessen, go back to 3 times a day. Experimentation is fine - listen to your body; it will tell you when to back off.)

10) On day 12, if you believe you're cured, you can stop taking the BAKING SODA CURE. But if you think you ever need a "tune-up" for cancer at any time, repeat all the above steps. If you're cancer free, it is advisable to use 2 teaspoons baking soda and only one teaspoon molasses/syrup in 1 cup of water once or twice daily for 7 days: i.e., if you're only trying to raise your pH to the alkaline range of 7.2 - 7.5.

<http://www.ncbi.nlm.nih.gov/pubmed/19276390>

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doi: 10.1158/0008-5472.CAN-07-5575.

Epub 2009 Mar 10.

Bicarbonate increases tumor pH and inhibits spontaneous metastases.

Robey IF, Baggett BK, Kirkpatrick ND, Roe DJ, Dosescu J, Sloane BF, Hashim AI, Morse DL, Raghunand N, Gatenby RA, Gillies RJ.

Abstract

The external pH of solid tumors is acidic as a consequence of increased metabolism of glucose and poor perfusion. Acid pH has been shown to stimulate tumor cell invasion and metastasis in vitro and in cells before tail vein injection in vivo. The present study investigates whether inhibition of this tumor acidity will reduce the incidence of in vivo metastases. Here, we show that oral NaHCO₃ selectively increased the pH of tumors and reduced the formation of spontaneous metastases in mouse models of metastatic breast cancer. This treatment regimen was shown to significantly increase the extracellular pH, but not the intracellular pH, of tumors by ³¹P magnetic resonance spectroscopy and the export of acid from growing tumors by fluorescence microscopy of tumors grown in window chambers. NaHCO₃ therapy also reduced the rate of lymph node involvement, yet did not affect the levels of circulating tumor cells, suggesting that reduced organ metastases were not due to increased intravasation. In contrast, NaHCO₃ therapy

significantly reduced the formation of hepatic metastases following intrasplenic injection, suggesting that it did inhibit extravasation and colonization. In tail vein injections of alternative cancer models, bicarbonate had mixed results, inhibiting the formation of metastases from PC3M prostate cancer cells, but not those of B16 melanoma. Although the mechanism of this therapy is not known with certainty, low pH was shown to increase the release of active cathepsin B, an important matrix remodeling protease.

<http://www.ncbi.nlm.nih.gov/pubmed/21663677>

BMC Cancer. 2011 Jun 10;11:235.

doi: 10.1186/1471-2407-11-235.

Bicarbonate and dichloroacetate: evaluating pH altering therapies in a mouse model for metastatic breast cancer.

Robey IF, Martin NK.

Abstract

BACKGROUND:

The glycolytic nature of malignant tumors contributes to high levels of extracellular acidity in the tumor microenvironment. Tumor acidity is a driving force in invasion and metastases. Recently, it has been shown that buffering of extracellular acidity through systemic administration of oral bicarbonate can inhibit the spread of metastases in a mouse model for metastatic breast cancer. While these findings are compelling, recent assessments into the use of oral bicarbonate as a cancer intervention reveal limitations.

METHODS:

We posited that safety and efficacy of bicarbonate could be enhanced by dichloroacetate (DCA), a drug that selectively targets tumor cells and reduces extracellular acidity through inhibition of glycolysis. Using our mouse model for metastatic breast cancer (MDA-MB-231), we designed an interventional survival study where tumor bearing mice received bicarbonate, DCA, or DCA-bicarbonate (DB) therapies chronically.

RESULTS:

Dichloroacetate alone or in combination with bicarbonate did not increase systemic alkalosis in mice. Survival was longest in mice administered bicarbonate-based therapies. Primary tumor re-occurrence after surgeries is associated with survival rates. Although DB therapy did not significantly enhance oral bicarbonate, we did observe reduced pulmonary lesion diameters in this cohort. The DCA monotherapy was not effective in reducing tumor size or metastases or improving survival time. We provide in vitro evidence to suggest this outcome may be a function of hypoxia in the tumor microenvironment.

CONCLUSIONS:

DB combination therapy did not appear to enhance the effect of chronic oral bicarbonate. The anti-tumor effect of DCA may be dependent on the cancer model. Our studies suggest DCA efficacy is unpredictable as a cancer therapy and further studies are necessary to determine the role of this agent in the tumor microenvironment.

The Dirt Cheap Protocol for Cancer Stage IV Protocol

by Webster Kehr
Independent Cancer Research Foundation, Inc

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INTRODUCTION

When dealing with cancer, someone in the family should be designated as the “cancer guru” in the family. This person should become an expert in the main protocol!!! For example, they should study this article, and the articles it links to, several times to make sure they understand this protocol.

For example, I have received many emails from people who describe the cancer protocol they are using. In some cases, they will only be using the Dirt Cheap Protocol, and they will only be using 3 or 4 of these items!! Someone didn't do their homework! I can't tell you how many times I have seen this!!

If this is the main protocol a cancer patients uses, the person should use 14 or more of the items in this protocol EVERY DAY, not one or two or even six. However, they should only use one of the highly alkaline protocols per day.

Also, cancer patients new to the CancerTutor website should first look at the left side-bar in the section on “Types of Cancer.” The article for the type of cancer the patient is dealing with will mention the recommended protocol to use for that type of cancer.

Almost all of the “Type of Cancer” articles will recommend one of the three major protocols: the Celect-Budwig protocol, the Cesium Chloride protocol (i.e. the Alkaline protocol) or the Photon Protocol.

This Dirt Cheap Protocol should not be a substitute for any of the three major protocols just mentioned unless the cancer patient cannot afford the recommended protocol. The exception is the Photon Protocol in which the Dirt Cheap Protocol is included because of synergy.

The Photon Protocol is effectively the Dirt Cheap Protocol with a custom liver flush or generic liver flush (to kill the microbes and parasites in the organs to allow the immune system to recover much quicker) and a Photon device to energize the cells which were weakened by the microbes and parasites in the organs (which is the second half of this immune building technique).

Also, this protocol is based on solid cancer theory. After each item there is a section called: “How This Treatment Works” which explains how each protocol helps the cancer patient deal with their cancer. Several of its component parts have cured cancer by themselves!!

Fighting cancer is like fighting a fire!! You need enough fire trucks which are working together. Just like any fire is trying to spread, cancer is usually trying to spread!! Just like a fire department has to bring enough fire trucks, a cancer patient needs to have enough cancer treatments that work together.

When using this protocol as the main cancer treatment, use at least 14 of the items in this protocol EVERY DAY, including the Kelmun!!

Let me repeat that to make sure you understand!!!!

When using this protocol as the main cancer treatment, use at least 14 of the items in this protocol

EVERY DAY, including the Kelmun (if that is the alkaline protocol)!!

Also, for very advanced cancer patients, sometimes one of the three major cancer treatments just mentioned is combined with the Dirt Cheap Protocol. However, when doing this there are two rules that must be followed:

First, only ONE of the highly alkaline protocols should be used per day. This generally means that the Kelmun Protocol, Stevia and asparagus should NOT be used on the same day. Only one of these items per day.

Second, if the main protocol uses the Budwig protocol, none of the elements of the Dirt Cheap Protocol should be used within 3 hours of the Budwig protocol, on both sides of the Budwig. This is because the Budwig is sensitive to anti-oxidants and most of the elements of the Dirt Cheap Protocol are anti-oxidants. But the 3 hour gap will eliminate any conflicts.

“Secret Product” is likely the single best treatment mentioned on this page. It should be combined with MSM/LIPH and MSM/Vitamin C.

Let me say it again: every cancer patient on the Dirt Cheap Protocol, if they can afford it, should use the “Secret Product” (2 pills a day) and either the MSM/LIPH and MSM/Vitamin C protocol (see the left side-bar under “Supplemental Treatments”).

However, the person who supports the Collect-Budwig protocol does not want anyone using any other treatments (including anything from the Dirt Cheap Protocol). So do not add things to the Collect-Budwig protocol from this article.

In addition, Vitamin D or Vitamin D3 should be taken by every human being, with or without cancer, as it is critical for many biochemical reactions in the body. For cancer, D3 should be combined with MSM because it also kill microbes and the MSM will help the D3 get inside the cancer cells.

WARNING #1: There is a special article on this website which has some significant warnings and a lot of good, high level advice. The article is called the “first email” article. If there is redundancy then it is a really important item!! Here is a link to it:

First Email Article (Must Read)

WARNING #2: Pregnant women should only use half of the regular dose of the Kelmun. Everything else can be used in full doses. You don’t want the baby to have too high levels of alkalinity.

Based on the components in this protocol it is rated as a “Stage IV Protocol”, the highest rating!!

<http://drsircus.com/medicine/sodium-bicarbonate-baking-soda>

Sodium Bicarbonate (Baking Soda) Articles

Studies, testimonials, side effects and uses of sodium bicarbonate

Sodium Bicarbonate (NaHCO_3) commonly called baking soda is a natural substance used in the human body within the bloodstream to regulate pH as a counterbalance to acid build up, which is critical to life. It affects the pH of cells and tissues, balances cell voltage, and increases CO_2 which helps with oxygenation. Sodium Bicarbonate is a powerful medical tool that everyone would benefit by knowing more about.

Sodium Bicarbonate can be used as a first line of defence for a vast range of sickness including, cancer, flu, diabetes, kidney disease and even the common cold. Sodium Bicarbonate can be used in many forms whether transdermally in a bath, orally or nebulised for lung conditions. It is so powerful in it's ability to detox that it can even be used against radiation exposure.

The Healing Power of Baking Soda

by Dr Sircus

June 2, 2014

This is the first medical review of sodium bicarbonate in the history of medicine and it will change the way we think about baking soda, change the way we practice medicine and change the way we take care of our children. Our lives are made easier by sodium bicarbonate and that easing of the way extends to health and medical care and can even save our lives if we have cardiac, cancer or kidney disease.

Today, June 2, the Sodium Bicarbonate book, is available in the often requested hard copy version, is now on sale on Amazon and I invite all my readers to purchase a copy so we can push the book onto the bestseller list. Clearly, this is a great addition to everyone's library and makes a wonderful gift because it brings people into awareness of a substance that can ease their aches and pains and even save lives like it does routinely in the emergency and intensive care wards.

Sodium bicarbonate (Baking Soda) helps to save countless lives every day.

Dr. Boris Veysman specialist in emergency medicine at the Robert Wood Johnson University Hospital in New Jersey describes one emergency room experience:

"The emergency department is always noisy, but today the triage nurse is yelling "not breathing," as she runs toward us pushing a wheelchair. A pale, thin woman is slumped over and looking gray. Without concrete proof of a "Do Not Resuscitate" order, there's no hesitation. Click, klang, and the patient has a tube down her throat within seconds. I do the chest compressions. On the monitor, she is flat-lining — no heartbeat. I synchronize my words with the compressions and call out for an external pacemaker. Pumping ... thinking: Cardiac standstill ... after walking in ... with cancer ... on chemo. This resuscitation isn't by the book. "Get two amps of bicarbonate," I say to the intern. The jugular line takes seconds, and I flush it with sodium bicarbonate. This probably will correct the blood's extreme acidity, which I suspect is driving up the potassium. The external pacemaker finally arrives. Potent electric shocks at 80 beats per minute begin to stimulate her heart. The vitals stabilize.

Sodium bicarbonate is an emergency room intensive care medicine that can be used in cancer treatment as well as in fighting the symptoms of the flu. It is not a substitute for dietary corrections that leads one eventually into a healthy alkaline existence but it can be used quite effectively to change the terrain of tissues and cells quickly.

I start this landmark medical book with the words above. We are talking about serious medicine when we talk about sodium bicarbonate. Baking soda (sodium bicarbonate) lives up to the image on the Arm and Hammer's box, it is the ultimate heavy-weight workhorse medicine that every healthcare professional and parent should be knowledgeable about and routinely use.

Everyone should know how to wield the mighty muscle (the famous Arm and Hammer logo is the appropriate image for sodium bicarbonate) of baking soda; knowing intimately its power and flexibility of application. Like magnesium chloride administration possibilities are versatile: intravenous, oral, transdermal, in lotions and baths, via catheter; it can also be vaporized directly into the lungs and be used in enemas and douches.

Bicarbonate is present in all body fluids and organs and plays a major role in the acid-base balances

in the human body. Bicarbonate deficiencies spell big trouble for human physiology when the vascular system begins to deteriorate as less oxygen is delivered to the cells. Bicarbonate deficiency is synonymous with carbon dioxide deficiencies, which occur in everyone who does not exercise properly. Bicarbonate is the wonderful medicine it is because it turns into carbon dioxide in the stomach, which drives bicarbonates into the blood.

One of the greatest secrets in medicine is that bicarbonate and carbon dioxide are really two forms of the same thing and change into each other at the speed of light in the blood. One of the greatest tragedies of our time is brewing around the insanity of governments and their paid scientists and health officials, who are scaring the wits out of everyone with fear of carbon dioxide and the taxes they want to place on its production.

Plants love carbon dioxide; we love carbon dioxide (it's what makes exercise so healthy) but others hate it because they can sell their souls and make money by deceiving everyone about it. The real danger coming out of the coal stacks of the world is not the carbon dioxide but the huge tonnage of mercury that is released into the air each day, which I calculate to be about 20 tons.

Learn a system of medicine that is safe, simple and affordable.

They have never proven that it is the carbon dioxide that is driving global warming and in fact we also have cooling from solar dimming, solar radiance decreasing, and increased volcanic activity, which can have heating effects on the planet from below and cooling effects from above as tremendous amounts of ash gets thrown high into the air.

Baking soda is an essential medicine and is probably one of the most useful substances in the world. No wonder the pharmaceutical companies do not want doctors or anyone else to know much about it! Sodium Bicarbonate is an important medicine – of the safest – and it is essential when treating cancer, kidney and other diseases.



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