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BANISHING DISEASE WITH THREE 9-VOLT BATTERIES

- PART 1 -

by *Mark Metcalf*

"We now know what 'wealth' is. Wealth is the ability to regenerate forward life. How many people can you take care of for how many days?" --Buckminster Fuller

Imagine having your own hospital. Not just any hospital either. After all, the mortality rate generally drops when hospitals go on strike(1, 2, 3, 4) Death due to toxic drugs, unnecessary treatment, rampant ignorance and a sea of antibiotic-resistant bacteria make most hospitals the Devil's own playground. No, I'm talking about a hospital that makes people well again. Now, imagine that your new hospital is essentially cost free, works anywhere and is the size of a transistor radio, neatly fitting in your shirt pocket. Impossible? Not at all. The only thing unbelievable about it is that every American doesn't already have one.

The "hospital" I am talking about is a Colloidal Silver generator. Silver is a powerful, natural prophylactic/antibiotic, used for thousands of years. Ancient Greeks lined their eating and drinking vessels with silver, as did many other cultures throughout the world.(5) Pioneers of the American West would put a silver dollar in a jug of milk to keep it fresh without refrigeration.(6) Did you ever wonder why silverware was made from silver? One of the properties of silver is that it kills bacteria on contact in six minutes or less.(7) It may be that gold and silver were first used as valued currency because of their medical properties.

Dr. Robert O. Becker, author of *The Body Electric*, recognized a correlation between low silver levels and sickness. He said silver deficiency was responsible for the improper functioning of the immune system. Dr. Becker's experiments conclude that silver works on the full spectrum of pathogens without any side effects or damage to the body. He also states that silver does more than kill disease-causing organisms. It also causes major growth stimulation of injured tissues. Burn patients and even elderly patients notice more rapid healing. And he discovered that all cancer cells can change back to normal cells. All strains of pathogens resistant to other antibiotics are killed by silver.

What is Colloidal Silver?

Colloidal Silver is the result of an electro-magnetic process that pulls microscopic particles from a larger piece of silver into a liquid, such as water.(8) These microscopic particles can more easily penetrate and travel throughout the body. Colloidal Silver works as a catalyst, disabling the enzyme that all one-celled bacteria, fungi and viruses use for their oxygen metabolism. In short, the bad guys suffocate. Unlike with antibiotics, resistant strains have never been known to develop. In fact, antibiotics are only effective against perhaps a dozen forms of bacteria and fungi, but never viruses. Because no known disease-causing organism can live in the presence of even minute traces of the chemical element metallic silver, Colloidal Silver is effective against more than 650 different disease-causing pathogens.(9)

Since there is not enough room to list all the diseases against which Colloidal Silver has been used successfully, here is a tiny sample: acne, allergies, appendicitis, arthritis, blood parasites, bubonic plague, burns (colloidal silver is one of the few treatments that can keep severe burn patients alive), cancer, (10) cholera, conjunctivitis, diabetes, gonorrhea, hay fever, herpes, leprosy, leukemia, lupus, lymphangitis, Lyme disease, malaria, meningitis, parasitic infections both viral and fungal, pneumonia, rheumatism, ringworm, scarlet fever, septic conditions of the eyes, ears, mouth and throat, shingles, skin cancer, staph infections, strep infections, syphilis, toxemia, trench foot, all forms of viruses, including warts and stomach ulcers. In addition it also has veterinary uses, such as for canine parvo virus. You'll also find Colloidal Silver very handy in the garden since it can be used against bacterial, fungal and viral attacks on plants. Simply spray diluted Colloidal Silver on the leaves, and add to soil water.

It would appear highly unlikely that even germ warfare agents could survive an encounter with Colloidal Silver, since viruses like Ebola and Hanta, or even the dreaded "flesh-eating bacteria" are, in the end, merely hapless viruses and bacteria. To top it off, Colloidal Silver is non-toxic, making it safe for both children and adults, as well as pets.(11, 12) In short, anything bigger than a one-cell animal seems to like it.

Nor does one have to worry about that FDA (Food and Drug Administration) fox being put in charge of this home remedy hen house. Colloidal Silver is a pre-1938 healing modality, making it exempt from FDA jurisdiction under the grandfather clause.(13)

So why haven't you heard of it?

I suspect the user friendly economics of Colloidal Silver may have something to do with its low profile in the media. Colloidal Silver can't help but shine a spotlight on the expensive and deadly nature of our pharmaceutical industries, who are bigger than the Pentagon economically. For example, the pharmaceutical cartel's relentless promotion of dangerous vaccines for humans and animals through government programs have now been linked to everything from increasing crib deaths in infants (who in many documented cases scream for hours before dying), to the increasingly common disease, feline leukemia, in house cats(14) Colloidal Silver, on the other hand, is a safe and reliable alternative to expensive pharmaceuticals.

It is possible that consuming large amounts over long periods of time may kill some friendly bacteria in your intestines. If taking large amounts, you should supplement your diet with yogurt or acidophilus, or compensate for possible bacteria loss in some other way. This is not, however, a serious problem, and unlike antibiotics, Colloidal Silver does not weaken the body's immune system. In fact, it is said to give the body a second immune system, creating a shield against disease of all kinds.

As it is currently marketed through local health food stores, colloidal silver contains anywhere from 1 to 5 parts per million (ppm) and sells for as much as \$21.95 for two ounces. An average adult dose might be anywhere from a tablespoon per day to a sixteen ounce tumbler, or more, since no toxic dose is known. Thanks to one physicist's(14) brilliantly simple design outlined below, you can now use your own generator and produce unlimited amounts of high-quality colloidal silver concentrate for the price of water!

How to make your own Silver Colloid.

If the Silver Colloid is to be ingested or injected, be sure to use distilled water. Tap water is fine for other uses, such as for a topical spray or for plants. Also, before beginning to make your Colloidal Silver you will need to make a saline solution for enhancing conductivity. If you are using filtered spring water, no saline solution will be needed as spring water already has a natural saline content.

Saline solution can be made by mixing approximately four ounces of distilled water with half a teaspoon of sea salt in a separate container. Do not use common table salt as table salt has chemical additives. After stirring the salt solution for a minute, pour some of the water into an eye dropper bottle.

Now you're ready to make Colloidal Silver. Pour eight ounces of distilled water into your glass. Add two or three drops of saline solution to water and stir with a plastic/non-conductive utensil. If you use too much salt, you'll be making silver chloride as well. Silver chloride is by definition the precipitation of salt crystals within the solution which fall to the bottom of the glass. While not recommended, silver chloride is an inactive chemical and cannot harm you.

Insert silver electrode wires. Placement of wires is not critical, but they must not be touching each other or the process will stop. (You cannot shock yourself in this process so do not be concerned.) Attach the alligator clips of the colloidal silver generator to the ends of the silver electrode wires coming over the outside rim of the glass and you will see a grey mist inside the glass start to peel away from the positive polarity wire while bubbles of hydrogen rise from the other. Laboratory tests show that this method creates a silver colloid of approximately one ppm per minute of activation time. Since you are only taking microscopic particles from the silver wire, your silver wire may very well last for years.

The brightness of the light bulb is related to the conductivity of the water. It is not necessarily a problem if the bulb is very dim or even remains dark as long as the process itself is occurring. Of course, when batteries are old, the light will also become dimmer, signaling it's time for a change. Touch the two alligator clips together to test the brightness of the bulb as a battery check. A fresh set of batteries should last a year or more.

When finished, detach alligator clips. Clean silver electrode wire after each use to remove dark oxide on the anode. Use a small piece of 14" thick nylon kitchen scouring pad to polish dried silver, then wipe with paper napkin to make ready for next use. Store your Colloidal Silver in opaque or colored glass containers. Do not use plastic containers as plastic can easily magnetize and chemicals can also leach into the solution. Keep away from light as even room light will eventually degrade colloids by oxidizing the silver just as exposure to light darkens the silver in camera film. Stir thoroughly or shake each time before using. Keep cool, but do not refrigerate. Also, put a few drops of Silver Colloid in the saline solution to prevent fungus growth.

In using your own home-made silver colloid generator it will become apparent that you now have the power to safely protect yourself, your family, your pets and plants, your community, and (through the dissemination of this information), our nation, from over 650 pathogens, viruses, microbes, fungi and parasites. Upon creating your first batch of Colloidal Silver, you will find it tastes the same as untreated water. And it won't sting, even in a baby's eyes. Congratulations and bon appetit!

References

1. "Medical malpractice alone kills an estimated 45, 000 people annually (in the U.S.), making it the leading cause of accidental injury and death." --Adriane Fugh-Berman, MD
2. As many as 14, 000 people die in Australian hospitals every year through preventable mistakes, ranging from misdiagnosis to being given the wrong drugs. This makes hospitals the third largest killer in Australia after heart disease and cancer. For those who survive, between 25, 000 and 30, 000 patients are left with a serious and permanent disability as a result of such mistakes.--The Sydney Morning Herald, 6/2/95 and The New Scientist, 6/10/95.
3. Using statistics from the 1984 Harvard study, the National Safety Council and other sources, the Campaign to Protect Consumer Rights says that more people die in the U.S. from medical negligence than any other accidental cause. If these statistics are valid, medical errors kill more people each year than automobiles, falls, drownings, fires, choking, guns and poisons combined.
4. "Only 10 to 20 percent of all medical procedures currently used in medical practice have been shown to be efficacious by controlled trial. --U.S. Office of Technology Assessment.
5. Encyclopedia Britanica, 1910
6. Health Consciousness Magazine, vol. 15, no. 4
7. Colloidal Silver is proven particularly effective in cases of intestinal troubles. Dr. Henry Crooks found that Silver in the colloidal state is highly germicidal, quite harmless to humans and absolutely nontoxic. Rather than in a chemical compound, the Silver, in the colloidal state, may be applied in a much more concentrated form, with correspondingly better results. All fungus, virus, bacterium, strep-tococcus, strphylococcus, and other pathogenic organisms are killed in three or four minutes; in fact, there is no microbe known that is not killed by Colloidal Silver in six minutes or less, a dilution of as little as five parts per million, though there are no side effects whatsoever from high concentrations. - "Use of Colloids in Health and Disease, " quoted in "Report: Colloidal Silver, " Health Consciousness, Vol.15, No.4.
8. "(Colloidal Silver) is not a chemical compound containing Silver, but pure metallic silver of submicroscopic clusters of just a few atoms, held in suspension in pure water, by the tiny electric charge on each atom."--Health Consciousness, Vol. 15, No.4
9. As an antibiotic, Silver kills over 650 disease causing organisms; resistant strains fail to develop. Silver is absolutely nontoxic. Silver is the best all-around germ fighter we have. Doctors are reporting that, taken internally, it works against syphilis, cholera, and malaria, diabetes and severe burns.--Bio/Tech News, 1995
10. Dr. Bjorn Nordstrom, of the Karolinska Institute (Sweden's equivalent of our National Institutes of Health), has used Silver in his cancer cure method for many years. He says the whole thing is quite simple. This brought rapid remission in patients given up by other doctors.--"Silver, Our Mightiest Germ Fighter, " Science Digest, March, 1978.
11. Metallic Silver (Colloid) is non-toxic, however, silver nitrate and other compounds of silver are and should not be ingested.-- Bob Beck, D.Sc.
12. Environmental Protection Agency's Poison Control Center reports no toxicity listing for Colloidal Silver, considering it harmless in any concentration.
13. The FDA has stated that because Colloidal Silver is (by fifty years) a pre-1938 drug, it may continue to be marketed. (Sept. 13, 1991, letter received from consumer safety officer Harold Davis, U.S., Food and Drug Administration.) Moreover, the FDA has no jurisdiction regarding a pure, mineral element.
14. "The following significant adverse events have occurred following administration of DTP vaccines: inconsolable crying for more than 3 hours (1/100 doses), high-pitched, unusual crying (1/1000 doses), fever higher than 105 degrees Fahrenheit (1/330 doses), transient shock-like (hypotonic, hyporesponsive) episode (1/1750 doses), convulsions (1/1, 750 doses), sudden infant death syndrome (SIDS). [Interestingly, no percentage of SIDS is given--author.] "Encephalopathy occurring within 7 days following vaccination. This is defined as an acute, severe central-nervous-system disorder occurring with 7 days following vaccination, and generally consisting of major alterations in consciousness, unresponsiveness, generalized or focal seizures that persist more than a few hours, with failure to recover within 24 hours. "Studies have indicated that a personal or family history of seizures is associated with increased frequency of seizures following pertussis immunization. The ACIP and AAP do not consider a family history of seizures to be a contraindication to pertussis vaccine despite the increased risk of seizures in these individuals. "As reported with Haemophilus b polysaccharide vaccine, cases of Haemophilus type b disease may occur..." --Excerpts from Lederle-Praxis Biologicals' own DPT Vaccine package insert. Lederle- Praxis Biologicals is a division of American Cyanamid, which is itself a division of I.G. Farbin, the former Nazi chemical combine who manufactured Zyclon-B. Zyclon-B was the nerve gas used for exterminating millions of human beings in concentration camps. ("Concentration" stands for mass "concentrations" of civilian population. In other words, a complete cross-section, including infants, children, senior citizens, etc.)

These statements have not been evaluated by the Food and Drug Administration. These products do not intended to diagnose or cure any disease. The information contained herein is for educational purposes only. It is not medical advice and is not intended to replace the advice or attention of health care professionals. Consult your physician before beginning or making changes in your diet, supplements or exercise program, for diagnosis and treatment of illness and injuries, and for advice regarding medications.

BANISHING DISEASE WITH THREE 9-VOLT BATTERIES

- PART 2 -

by Mark Metcalf

"We used to think, and some still do, that life came from a chemical soup. Now we know that unless there is an electrical charge there is no life. Life, then, is electrical. And when electrical systems go, although the chemistry is still there, the life does not exist." --Dr. Valerie Hunt, Prof. Emeritus, Dept. of Physiological Sciences, UCLA.

In a past issue I wrote of a "hospital" that was safer than and in many ways superior to all others in its ability to promote wellness. This "hospital" was essentially cost free to operate, and as portable as a deck of cards. The hospital I wrote of was a colloidal silver generator. With it you can make virtually unlimited amounts of the highest quality colloidal silver for the price of water.

Currently, we the people of the United States are spending \$3,700 per person per year to treat our diseases-the highest amount in the world. Ironically, our health problems are getting worse. As absurd as it may seem, the third leading cause of disease and death in the United States is now infectious disease. These deaths are completely preventable.

With the simple act of wiring three 9-volt batteries together, something very profound begins to happen. Ordinary people are not only able to heal themselves, but now find themselves endowed with the power to heal others and to protect the health of entire communities. These everyday people find their newfound power even encompasses the ability to heal animals, plants and trees. They're also able to grow more nutritious food and they're able to store food for longer periods of time. The multi-billion dollar managed care of "incurable diseases" industry begins to crumble. The deadly, mutagenic vaccine industry begins to crumble. The cold and flu industry which buys all those prime time TV ads begins to crumble. Don't expect these industries to take their loss of power lying down.

These cartels will do their best to frighten people away from making it themselves, sometimes buying off colloidal silver manufacturers who will then act as the cartel's agent. These cartels can also be expected to aggressively market their own substitute products, just as they did with antibiotics in the 1960's when colloidal silver was originally suppressed.

One of the most effective flimflam ploys is to trot out an "expert" who confirms that the product he or she is selling is absolutely essential for your well being. This "authority" will go on to mention that in the course of their studies of competing products, they discovered that these competing products will very likely cause you harm. Actually, the expert is used as a shill to usurp your freedom of choice and dictate what you should regard as "health" and health-promoting practices. Similar ploys have been used by colloidal silver manufacturers, which has resulted in confusion and fear among those most interested in using silver. We can best avoid manipulation by coming to a deeper understanding about different types of colloidal silver, production methods, issues of safety and usefulness.

First some basics. A colloid consists of minute particles that float within a liquid despite the pull of gravity. To stay in suspension for any length of time, these particles must be smaller than one micron (1/1000 of an inch). When fresh produce is processed through a juicer, a colloid results in the form of a glass of juice. Drinking fresh juices makes it possible to consume far more nutrients than by eating. Because juice is considered a pre-digested food, the body can process large amounts with minimal effort and correspondingly better health results. As a juice colloid sits, the larger particles begin to fall out of suspension and settle at the bottom of the container. To evenly distribute the contents it is common to shake up a bottle of juice before drinking.

In the case of colloidal silver, silver particles are pulled off of a pure silver electrode that is emersed in water by applying a low voltage electric current, giving each particle an electric charge. This charge, though long lasting, is not permanent, and both daylight and time will cause a colloid to lose its charge. This loss is referred to as "falling out," or "plating out." (1) Note, while colloidal silver is light sensitive, it is not nearly so light sensitive as camera film. If taken to the beach under mid-day California summer sun, colloidal silver can be expected to oxidize in about ten minutes. Indoors, under ambient and artificial light, colloidal silver will oxidize in about three days. This only means that once made, colloidal silver should be stored in tinted or opaque containers.

Many colloidal silver manufacturers claim that if the silver particles are "too large," the resulting brew will prove

injurious to the public health. The truth can be found in many science text books. When applying current to silver in solution, metallic silver will always break off at the same size, 1.26 angstroms (.00001 microns).⁽²⁾ This particle is so small that the next stop on the road to smallness is the atom itself.

Colloids are by nature the smallest particles matter can be divided into while still retaining individual characteristics. Reducing a piece of metallic silver into a cloud of microscopic particles greatly extends its total surface area, and so its healing properties, while deepening its penetration into the body.

Because the silver particles are charged, they strive to combine with other elements in the solution. Trace elements exist even in distilled water, and when the charged silver particles combine with a specific trace element, the solution will turn one of a number of colors like gray, yellow, green or brown. Whatever element the silver chooses is largely irrelevant: Once in the body, the silver releases its bond in search of stronger attachments in an effort to stabilize its charge. Therefore, once the silver colloid has entered the body, the original silver particles measuring 1.26 angstroms (about the size of fifteen atoms) quickly pass through the stomach lining and into the blood stream, where they circulate for about a week before elimination.

Yellow Colloidal Silver

The real reason yellow colored colloidal silver is favored by most manufacturers is not because it is more effective than other types, but because it has a longer shelf life before falling out of solution. This stability in solution doesn't automatically translate into a smaller combined particle size between the silver ion and the trace element which it has attached itself to. It may simply be that the trace element which the silver has combined with is more water soluble. In either case it's a moot point. Simply put, the most effective colloidal silver is not a question of color, but of freshness and highest concentration density.⁽³⁾

A disadvantage of the yellow colloidal silver is its bitter taste-unlike the silver colored colloid. Also, the yellow solution is more difficult to make. When using a 27-volt generator, it is helpful to reduce the water volume to mitigate the much longer activation time that the yellow solution requires. I couldn't find any medical evidence that the yellow colloid is more effective than the silver colored colloid. People can always create and compare the effects of the yellow and silver solutions for themselves.

To make the yellow solution, use a tall narrow glass with six to eight ounces of distilled water. Use no saline solution. The water will not gain conductivity as it does when saline is added, so the process will take about forty-five minutes. It will produce a concentration of around 10 parts per million (ppm). Be sure to keep an eye on the color of your solution or it will eventually turn a murky brown and then black. If this happens, just throw it out and start over.

Making High Concentrations of Colloidal Silver

Extending the process time to make higher concentrations of colloidal silver can be both inefficient and costly for replacing batteries. A smart chemist knows you should always heat the water first to create high concentrations. With this in mind, fifteen minutes of process time should be sufficient to create any desired potency.

For every 10 degrees that the water is heated above room temperature (72 degrees), the parts per million (ppm) will be doubled. Therefore, if 5 ppm resulted after seven minutes of activation with sixteen ounces of water at 72 degrees, then 82 degrees would yield 10 ppm, and 92 degrees would deliver 20 ppm, etc. There is no need to boil the water as there is ample leeway between 72 degrees and 212 degrees (boiling). For heating purposes, do not use a tea pot because of the pot's calcification. Use something cleaner, like a stainless steel cooking pot before pouring water into a glass.

The body's ability to process the tiny atoms of colloidal silver makes silver build-up in the body impossible. The Environmental Protection Agency's Poison Control Center reports a No Toxicity listing for colloidal silver. In fact, it appears that harmlessness is one of the attributes of the colloid physiology, regardless of content. For example, when examining a bottle of colloidal minerals from the local health food store I noticed arsenic, nickel and lead among the sixty-five trace minerals listed in the contents.⁽⁴⁾ In other words, if the particles are small enough, you can even drink arsenic. Since the body is known to have a vital need for silver to maintain both the immune system and the production of new healthy cells, and due to the harmonious nature of colloids entering the body (our blood is also a colloid), it stands within reason that colloidal silver may literally be the safest medicine on earth.

Just to prove a point to myself, I made a sixteen-ounce solution of well over 250 ppm and drank it. I repeated this procedure every day for four days in a row. I easily drank the equivalent of fifty sixteen-ounce glasses of 5 ppm

colloidal silver every day! I did not eat yogurt, acidophilus, or compensate for friendly bacteria loss in any way. The only side effect was that I just seemed to feel better. This makes sense according to Capitol Drugs pharmacist Ron Barnes, R.Ph.; "Many strains of pathogenic microbes-viruses, fungi, bacteria or any other single-celled pathogen-resistant to other antibiotics are killed on contact by colloidal silver, and are unable to mutate. However, it does not harm tissue-cell enzymes and friendly bacteria."

My next experiment was a little different. I cut two flowers in the back yard and left one on a shelf without water for twenty-four hours. When I picked it up the next day it was completely limp. I made a fresh cut at the bottom of the stem and placed it in a glass of high concentrate colloidal silver. Each day it got better. On the third day, the stem had become firm again, as if it had just been cut. Not a single petal was lost. The second flower that was cut had been placed immediately in ordinary water. Many of its petals had already fallen. Though the flower was in water from the start, it was already dying.

It's as if there is something in silver that is tied to the very core of the life process itself. The noted bio-medical researcher from Syracuse University, and author of *The Body Electric* and *Cross Currents*, Dr. Robert O. Becker, MD, agrees. Writing about his experience with older patients, Dr. Becker wrote, "Silver did more than kill disease causing organisms. It promoted major growth of bone, and accelerated the healing of injured tissues by over 50%." He also discovered that silver: "profoundly stimulates healing in skin and other soft tissues in a way unlike any known natural process..."

Dr. Becker discovered that the silver was promoting a new kind of cell growth which looked like the cells of children! "These cells grew fast," he wrote, "producing a diverse and surprising assortment of primitive cell forms able to multiply at a great rate, then differentiate into the specific cells of an organ or tissue that had been injured, even in patients over fifty years old."⁽⁵⁾

The healing properties of silver are so all-encompassing that we see researchers expressing amazement time and time again. Alfred Searle, founder of the pharmaceutical conglomerate, wrote in 1919 that "applying colloidal silver to human subjects has been done in a large number of cases with astonishingly successful results. For internal administration, orally or hypodermically it has the advantage of being rapidly fatal to parasites without toxic action on its host. It is quite stable. It protects rabbits from ten times the lethal dose of tetanus or diphtheria toxin."⁽⁶⁾

I received a call from a man with a PhD in computer science who, after reading my original article, made colloidal silver and applied it with an eye dropper to a chronic eye infection. He said the infection went away almost immediately. In the course of our conversation he mentioned in passing that colloidal silver also got rid of the plaque on his teeth. I had been wondering what happened to the plaque on my own teeth, but had not put the two together.

The power of silver still reigns over the world in many modern-day applications. Physicians use silver compounds in seventy percent of all the burn centers in the United States. British Airways, Swissair, Scandinavian Airlines, Lufthansa, Olympic, Air France, Canadian Pacific Airlines, Allitalia, KLM, Japan Airlines and Pan Am all use silver water filters to curtail waterborne diseases. In fact, NASA uses a silver water purification system for the space shuttle and so do the Soviets. Japanese firms even remove cyanide and nitric oxide from the air with silver.

So how do you frighten people away from the safest and most powerful medicine on earth? You tell them that the bogey man will get them. If they're too sophisticated for that, tell them they'll get a strange, archaic disease like argyria. Actually, there is no record of anyone ever contracting argyria from colloidal silver made by the electrolytic method.⁽⁷⁾

(Argyria is a harmless and infrequent cosmetic condition where some parts of the body take on a slight bluish cast due to ingesting chemical compounds of which silver is only one component. Argyria did not seem to bother the royal "blue blood" families of Europe, who stayed healthy throughout the plagues of the middle ages by ingesting large amounts of silver.)

Surviving With Colloidal Silver

Were I to end up in the midst of calamity, I would need only water to have one of the most powerful medical resources in the world at my disposal. (Technically, colloidal silver can be made in a variety of common liquids, including beer or soup, but I'm not recommending anyone do this in the normal course of events.) In a remarkable clinic trial with fourteen elderly patients, Dr. Robert O. Becker inserted silver electrode wire directly into wounds, using the body's own juices for the liquid solution while applying current from the external ends.⁽⁵⁾ (The voltage used for colloidal silver production is too low to cause sensation.) With this technique, Dr. Becker was able to heal

infections inside broken bones-one of the worst kinds of infections to control-as well as heal actual bone fractures and breaks which had previously failed to heal.(8) In some cases he left silver surgically implanted in the body. In others, he sewed the wound up around the protruding silver electrode wire. Once the wound had healed, "The implanted silver wire was easily withdrawn from the wound manually without the need for surgery or anesthesia."

Regarding the innate ability of metallic silver to control infection, Dr. Becker said, "All of the organisms that we tested were sensitive to the electrically generated silver ion, including some that were resistant to all known antibiotics." Regarding the safety of pure silver being inserted into the body, Dr. Becker said, "In no case were any undesirable side effects of the silver treatment apparent."

Under emergency conditions, it would be good to remember that silver coins from 1964 or earlier contain 90 percent silver, 9 percent copper and one percent zinc, all of which are known to have beneficial properties if used in a colloidal state. The coins would have to be scoured until they were clean and shiny before using. This is mentioned purely as an intellectual consideration and is not a recommendation that anyone undertake any such action under normal conditions. Silver electrode wire is much easier to use.

So what doesn't colloidal silver do?

It doesn't interact with any other medications. It doesn't upset the stomach, and, in fact, is a digestion aid. It does not sting in the eyes. Medical journal reports and documented studies spanning the past 100 years indicate no known side effects from oral or I.V. administration of colloidal silver in animal or human testing. Colloidal silver has been used with good results under the most demanding health care circumstances.(9) Without overstating the case, it may be time to recognize colloidal silver as not only the safest medicine on Earth, but also the most powerful!

References

1. Plating out is when the metallic particles of a colloid fall out of suspension by either attaching themselves to the sides of the storage container or simply by settling to the bottom. This creates two problems. (1) When ingesting colloidal silver, less silver will enter the body because it's attached to the sides of the container. (2) Silver particles that enter the body without their electrical charge will have more difficulty in penetrating the stomach wall or in attaching themselves to the cells of the body. Plastic containers build up electrical charge which can cause plating out, therefore, either non-reactive plastic containers such as hydrogen peroxide bottles or tinted glass bottles should be used for storage.
2. CRC Handbook of Chemistry and Physics, 56th edition, 1975-76, page F209.
3. "Use of Colloids in Health and Disease." Dr. Henry Crooks found that silver in the colloidal state is highly germicidal, quite harmless to humans and absolutely nontoxic. Rather than in a chemical compound, silver in the colloidal state may be applied in a much more concentrated form with correspondingly better results.
4. Ameriflax (brand) "minerALL 72" colloidal minerals product contains 7 major and 65 trace minerals including arsenic, nickel, lead and iodine.
5. Treatment of Orthopedic Infections with Electrically Generated Silver Ions. The Journal of Bone and Joint Surgery, American Volume, October, 1978. Vol. 60-A, No.7.
6. "Colloidal Preparations of Silver in Pharmacy" British Medical Journal, 1919.
7. After extensive studies Sir Malcolm Morris concluded, "Colloidal silver is free from the drawbacks of other preparations of silver, viz. the pain caused and the discoloration of the skin; indeed, instead of producing irritation it has a distinctly soothing effect."
8. Becker, op cit.: "To qualify for this study, patients had to have a long-standing infection involving bone and to have had standard treatment with antibiotics and wound care without success."
9. "Silver aids the developing fetus in growth, health, and eases the delivery and recovery". - "Report: Colloidal Silver", Health Consciousness, Vol.15, No.4.

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