

Toxicity as a Clinical Diagnosis - The Detoxification Answer

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Toxicity as a Clinical Diagnosis - The Detoxification Answer

by David Larson, President

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Mercury, lead, cadmium, arsenic, pesticides, insecticides, dioxins, furans, phthalates, volatile organic compounds, and PCBs are just some of the foreign substances that build up in the body, causing diseases such as, diabetes and cancer.

Just how bad is our current reality? Really bad! Most of us have 400 - 800 potentially toxic, carcinogenic, hormone-disrupting and gene-damaging chemicals stored within our cells. Fetuses now grow in wombs contaminated with as many as 287 foreign chemicals, and more than 630,000 of the 4 million babies born in the United States are at risk for brain damage and learning difficulties due to mercury exposure. In fact, the level of mercury in the umbilical-cord blood is 1.7 times higher than the level in the mother's blood!

Even more alarming is the fact that the earlier in life your exposure to toxins occurs, the greater the risk of developing

chronic health problems later in life.

Is the cancer epidemic related to toxins? Yes, according to the Columbia University School of Public Health, 95 percent of cancer is caused by poor diet and environmental toxicity and is not genetic.

What other organ systems in the body are affected? The systems most affected by these toxic compounds include: the immunological, neurological, and hormone systems. Toxicity in these systems can lead to many chronic health problems including: immune suppression, autoimmune issues, asthma, allergies, cognitive deficits, mood changes, and neurological illnesses, changes in libido, reproductive dysfunction, and glucose dysregulation.

Toxic Mercury is Everywhere

Mercury without a doubt exhibits the most destructive effects in the body. It is a deadly neurotoxin causing psychological, neurological, enzymatic, and immunological problems. Mercury causes or contributes to countless devastating illnesses including: autism, autoimmune diseases,

and Alzheimer's disease, cancers, heart disease, and hormone imbalance, neurological and behavioral disorders.

Mercury is a naturally occurring element that can be found in the earth's soil, air and water. The major source of mercury in the air comes from coal-fired power plants. A small amount of Mercury is released from volcanic activity. The primary exposure for our children to Mercury comes from Thimerosal in the infant vaccines. 90% of American has mercury amalgam in their mouths, those off-gases directly to the brain every time a person drinks something hot, or grinds their teeth. Mercury thermometers, mercury ballasts, Mercurochrome and Merthiolate have all been banned. But, it is still legal in the US to put mercury in your mouth and in multi-dose vials of infant vaccines as a preservative.

Mercury eventually makes its way into the water supply, into the streams, rivers, lakes and oceans. Aquatic microorganisms then convert Mercury into Methylmercury, which is a more toxic form of Mercury that builds up in fish/shellfish



Coal-fired power plants are the largest aggregate source of mercury

and other animals that eat them. The fish that have the highest accumulation and must be avoided are: tuna, sword, shark, king mackerel and tile fish.

Mercury is also found in foods including liver, poultry, swine and dairy cows. Mercury cell chlor-alkali products are used to make food ingredients including citric acid, sodium benzoate, and high fructose corn syrup. Samples of high fructose corn syrup have been found to contain up to 0.57 mg of mercury per gram.

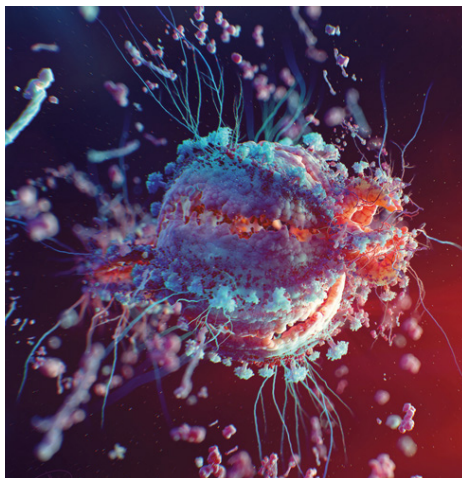
The key problem with exposure to mercury is that we cannot easily remove it. The liver detoxification pathways are overwhelmed by toxins such as mercury because we quickly run out of key antioxidants such as Glutathione. This dysfunctional process can ultimately result in severe symptoms of chronic, debilitating diseases, including cancers.

The alarming truth is that there are no safe levels of exposure to any of these toxic contaminants. The biggest mistake people can make regarding their health, is to assume that they are not exposed. We are literally surrounded by dangerous toxins. Imperceptibly, these poisons enter and accumulate in our bodies. This is why toxins are referred to as invisible killers.

One More Piece of the Toxicity Puzzle

Dietrich Klinghardt, M.D, Ph.D. is a respected research pioneer in the field of heavy metal detoxification and has discovered that there is a direct correlation between the amount of stored toxins in the body and the amount of infectious pathogens. He states that “for each equivalent of stored toxins there is an equal amount of pathogenic microorganisms in the body.” The presence of stored toxins causes immune system deficiency that supports the growth of pathogens such as bacteria, viruses, fungi, and parasites.

Most people think of infections as having



Human Immunodeficiency Virus (HIV)

an acute manifestation, with immediately recognizable symptoms. The truth is that once the body becomes toxic, the immune system is weakened and microbes begin to survive and thrive. Far more stealthy and difficult to diagnose, pathogenic burden of deadly microbes called ‘low grade infections’ can cause slow, insidious damage to your individual cells and entire body over time.

Cytotoxicity is at the very heart of pathogenicity. Intracellular toxicity leads to immunodeficiency and increased pathogen burden. Toxic Body Burden of toxins and pathogens leads to poor pancreatic function and decreased production of digestive enzymes and insulin. Impaired digestive processes and resultant nutritional malabsorption, ultimately lead to increased acidity and systemic inflammation, the precursor to every degenerative disease known.

Toxic Body Burden (TBB) now defines the toxic heavy metals, pesticides, synthetic chemicals, and pathogens that enter and accumulate in the body.

Epigenetics: The New Science of Health

In spite of volumes of evidence to the contrary, some physicians would have you believe that degenerative disease is a result of hereditary, genetic predisposition, and that somehow unlocking

the genetic code will make us immune to all disease and even aging. The truth is that the daily exposure to mercury, cadmium, lead, arsenic, pesticides, synthetic drugs, and other toxic agents will make you chronically ill. Toxicity as a clinical diagnosis manifests as a myriad of symptoms, physical, psychological and genetic. In England, during the 18th and 19th centuries, “Mad Hatters Syndrome” referred to the dementia and psychosis seen in hatters who had mercury exposure making the tall hats in fashion then.

According to the Icahn School of Medicine at Mount Sinai, “...less than 1.5 percent of the genome is directly associated with protein encoding genes, and the majority of genetic polymorphisms and DNA variants conferring risk for neurological and psychiatric disease are positioned outside the portions of DNA encoding amino acids. Much of the remaining 98.5 percent of the genome is believed to play an important role in coordinating the regulation of gene expression networks...”

“Epigenetics is the study of external or environmental factors that turn genes ‘on’ and ‘off’. Genes cannot turn themselves “on or off”.

Ultimate Body Detox: Intracellular Detoxification of Toxins and Pathogens

The pervasive and harmful combination of toxins and pathogens in our environment represent a very serious threat to our health. The good news is that poor health and symptoms stemming from environmental toxins are now relatively simple to correct.



Results RNA® Clinical Research – Patient Samples

PATIENT 1 - Using ACZ nano® – Pre and Post-provocation study

MERCURY LEVELS BEING ELIMINATED	PRE-PROVOCATION	POST-PROVOCATION
		13.05 mcg/g
	0.24 mcg/g	

PATIENT 2 - Taking ACS 200® and ACZ nano®

	4/2/08	10/31/08
TOTAL CHOLESTEROL	259 mg/dl	197 mg/dl
HDL	52 mg/dl	39 mg/dl
LDL	181 mg/dl	131 mg/dl

Research studies are available at www.resultsrnaresearch.com

To effectively eliminate harmful toxins and pathogens, Biopharmaceutical Results RNA has created Ultimate Body Detox; comprised of three revolutionary Intra-oral spray formulas called Advanced Cellular Zeolite ACZ nano, Advanced Cellular Glutathione ACG Extra Strength and Advanced Cellular Silver ACS200 Extra Strength. Based upon impressive research and demonstrating significant results, these products deserve specific mention.

ACZ nano Extra Strength – Selective Detoxification

Zeolite is a naturally occurring mineral with a specific crystalline structure, created from volcanic ash that spewed into the atmosphere during violent eruptions over 300 million years ago. For thousands of years, civilizations throughout the world have used zeolite as a traditional medicine. More recently, zeolite was given to

victims of the Chernobyl fallout to reduce radiation levels in their bodies. Zeolite is so effective in binding toxins that it is used as a molecular sieve to create purified, medical grade oxygen from air.

Advanced Cellular Zeolite (ACZ) nano Extra Strength is the leading prescribed zeolite formula available.

ACZ nano Extra Strength has many significant qualities which make it a superior choice over other detoxification or chelation methods, including other zeolite-based products. In urine challenge studies, ACZ nano Extra Strength has been independently proven to increase urinary output of mercury, lead and other toxic metals by thousands of percent in just 12 hours of product use.

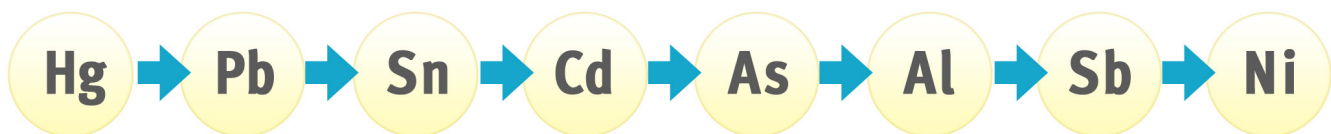
It is interesting to note that extremely toxic mercury levels were recorded in the urine of patients while taking ACZ nano

who had undetectable mercury levels in their urine prior. These significant research results show just how difficult it is for the body to remove mercury and other toxins without an effective detoxification agent present.

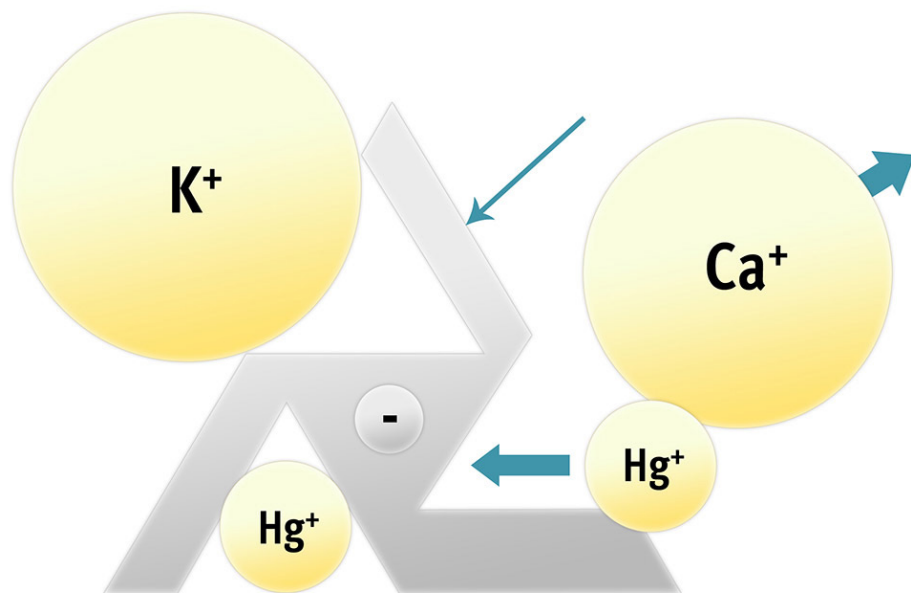
Urine challenge (pre and post-provocation) studies are the gold standard in measuring the efficacy of any detoxification agent.

One of the most significant benefits of ACZ nano zeolite over other detoxification agents is its affinity schedule for toxic heavy metals. ACZ nano Extra Strength binds with mercury first and lead second, moving on to bind and remove additional toxic heavy metals and chemical toxins which may include pesticides, herbicides, plastics, and even radioactive particles without removing precious nutrients such as calcium and magnesium.

The following affinity schedule of ACZ nano zeolite for various heavy metal ions is backed by atomic absorption spectroscopy studies. As you can see, toxic heavy metals are highest in preference of attrac-



Cleaned Zeolite: Negatively Charged Cage Structure



tion, with Mercury number one in affinity.

ACZ nano Extra Strength safely removes Mercury, Lead, Tin, Cadmium, Arsenic, Aluminum, Antimony, Nickel and all other toxic heavy metals.

The strength of the ACZ nano bond is based upon:

- The toxin's charge density
- The toxin's average molecular size
- A phenomenon known as "molecular adaptive-fit".

As you can see, mercury molecules fit tightly while potassium and calcium do not.

Another quality which makes ACZ nano Extra Strength such an effective detoxification agent is a proprietary technology which provides a significantly greater number of sub-micronized zeolite crystals per dose. This results in an exponentially greater zeolite surface area providing far more attraction and elimination of toxins from the body than other detoxification products.

ACZ nano Extra Strength is demonstrated to be so safe that it can even be used by

pregnant mothers, children, and the elderly. Provided in both 60 mL and 120 mL Intra-oral spray formulas ACZ nano Extra Strength is truly a powerful answer to our most pressing health problems.

In addition, ACZ nano Extra Strength goes far beyond the critical job of removing damaging toxins. Research has shown that it has many other vital actions in the body.

Removes free radicals. Unlike classic antioxidants, ACZ nano Extra Strength does not neutralize free radicals by donating an electron to stabilize them. Instead, the unique zeolite structure of ACZ nano Extra Strength captures free radicals. Once trapped inside the zeolite, the inactivated free radical is then, safely eliminated from the body.

Supports proper pH by promoting optimum pH levels of the blood, sustaining an active immune system and healthy brain function.

Eliminates carcinogenic toxins from the body, especially a category of carcinogens called nitrosamines. The most common sources for these nitrates include processed meats, cigarettes, and beer which

are linked to pancreatic, stomach, and colon cancers.

Eliminates diarrhea, promotes healthy digestion and encourages nutrient absorption. ACZ nano's ability to capture ammonium ions during digestion promotes a healthier and less toxic digestive system.

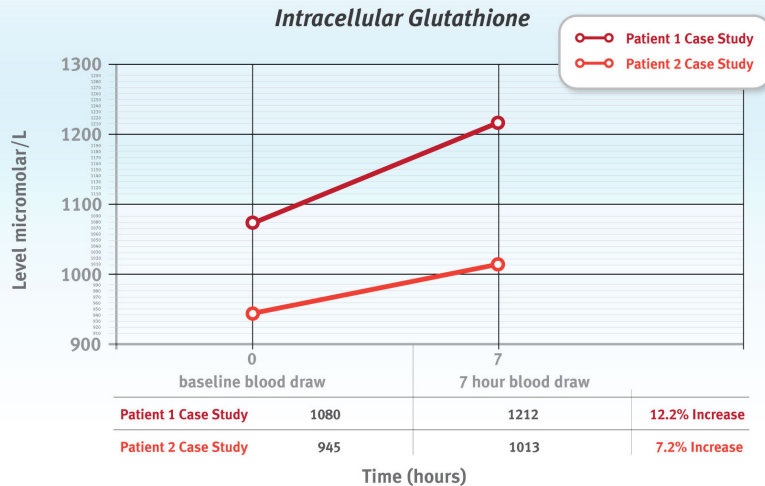
ACG Glutathione Extra Strength – the Body's Leading Antioxidant

What is the most important antioxidant for your health? It's called Glutathione, also known as GSH. We've all heard how important antioxidants are for staying healthy. And yet, the antioxidant most people have never heard of happens to be the most powerful of them all.

The good news is that your body produces



its own Glutathione. The bad news is that poor diet, pollution; toxins, medications, stress, trauma, aging, infections and radiation all deplete your Glutathione reserves, leaving you susceptible to unrestrained cellular disintegration from oxidative stress, free radicals, infections and even cancer. With high levels of toxicity and depleted Glutathione, the liver and kidneys can become overloaded and



damaged, causing serious health issues. As the most important intracellular antioxidant, Glutathione regulates all other antioxidants while preventing damage to important cellular components caused by reactive oxygen species, such as free radicals and peroxides.

Low Glutathione levels are proven to make us susceptible to chronic illness. The latest research shows that nearly all chronically ill patients suffer from Glutathione deficiency. This includes Chronic Fatigue syndrome, heart disease, cancer, infections, autoimmune disease, diabetes, autism, Alzheimer’s disease, Parkinson’s disease, arthritis, asthma, kidney problems, liver disease and more. Glutathione levels begin to decline at the age of 20 and do so at a rate of 8%-12% per decade, making effective supplementation of Glutathione highly beneficial for improving and maintaining optimal health.

So, how can you increase your Glutathione levels?

ACG Glutathione Extra Strength is the only proven Glutathione supplement available in a convenient, intra-oral spray providing instant absorption and immediate bioavailability. Competing Glutathione capsules and pills have little to no effect as they are damaged during the digestion process. Topical creams have an unpleasant

ant sulfur-like smell and inconsistent absorption. Glutathione intravenous must be administered by a doctor and can be quite expensive. ACG Glutathione Extra Strength is a significant breakthrough in Glutathione supplementation that tastes great and has been proven by an independent clinical research firm to effectively increase intracellular levels of Glutathione by over 10% in only 7 hours.

As the ‘King’ of antioxidants, Glutathione (GSH) is one of the most important molecules you need to stay healthy and is considered the key antioxidant in the functioning of cells. Increasing Glutathione levels will naturally increase your energy; strengthen your immune system and provides tremendous anti-aging benefits.

The health advantages of increasing your levels of Glutathione are almost immeasurable. ACG Glutathione Extra Strength is recommended by leading health practitioners worldwide. It is easy to take with you and has a fresh, “minty” taste. Just spray, swish and swallow.

ACS 200 Extra Strength – The Leading Silver-Based Antimicrobial

The third intra-oral spray of this dynamic trio is a unique silver-based antimicrobial called ACS 200 Extra Strength. Extremely

effective, ACS 200 Extra Strength demonstrates a much broader pathogen kill spectrum than prescription antibiotics, antifungals, or antiviral preparations. Far more advanced in both safety and efficacy than traditional colloidal silvers, ACS 200 Extra Strength is a 200 ppm (parts per million) medicinal silver, proven capable of rapidly killing an enormous array of disease-causing microorganisms. Research shows that ACS 200 Extra Strength oxidizes the cell wall of gram-positive and gram-negative bacteria, as well as killing naked virus and fungi, all without damaging human tissue.

In a landmark antimicrobial kill-time study performed in the 1980’s, Dr. Larry C. Ford of UCLA Medical School documented that over 650 different disease-causing pathogens were killed when exposed to ACS 200 Extra Strength.



Independent university laboratory studies prove ACS 200 Extra Strength is significantly effective against a number of difficult to kill microorganisms, achieving 99.9999% (complete) kill against Borrelia burgdorferi (causative agent of Lyme disease), Powassan virus, Rhinovirus, Legionella pneumophila, Pseudomonas aeruginosa, Salmonella bongori, Candida albicans & Methicillin-resistant Staphylococcus aureus (MRSA).

For thousands of years, dating back even earlier than Hippocrates, silver’s healing properties for both external and internal use for a variety of medical conditions was widely known. Antibiotic-resistant strains

**Results RNA ACS 200 EXTRA STRENGTH
KILL TIME STUDIES**

Borrelia burgdorferi	99.99984% in less than 8 mins
Salmonella bongori	99.999927% in 3 mins
Candida albicans	99.99989% in 2 mins
MRSA	99.999984% in less than 3 mins
Staph. aureus	99.9996% in 15 secs
Pseudomonas aeruginosa	99.999979% in 3 mins
Legionella pneumophila	99.9996% in 2 mins
Rhinovirus	99.999% in 15 min
Powassan virus	99% in 60 mins

of bacteria are increasing at an alarming rate. ACS 200 Extra Strength offers an effective option. The unparalleled safety and efficacy of ACS 200 Extra Strength makes this silver-based antimicrobial the first choice of health care professionals around the world.

For additional historical information and medical uses of colloidal, see Colloidal Silver – Antimicrobial, Antifungal and Antiviral Mechanisms with Clinical Actions published in Positive Health Online August, 2015.

Detoxify and Live Vibrantly

It is possible to live with a significant Toxic Body Burden and not feel “sick”. The conscious mind only pays attention to significant pain and fear. This can be the equivalent to driving down the freeway at 75 mph with bald tires. Everything seems fine until one of the tires blows. Countless victims of cancer and other life-threatening diseases felt “fine” the day they were diagnosed.

The need to cleanse your body from the inside is no different than the need to clean the outside. Just because you showered today doesn’t mean you won’t need another shower tomorrow. The formula for enjoying exceptional health is simple. Remove “the bad guys”, toxins and pathogens, and this allows the body to absorb and assimilate “the good guys”, nutrition for the body to heal and optimally function. Daily detoxification is crucial to

restoring and maintaining vibrant health.

The Ultimate Body Detox system makes daily detoxification simple. Spray each formula into mouth, swish and then swallow. The formulas can be taken in any combination, without waiting and can be taken with food or without, at any time of the day.

Enjoy the most effective, safe and affordable solution for the greatest threats to optimal health today. Detoxify and live vibrantly!

About Results RNA

Results RNA®: Founded by innovative research scientists Brian Larson and David Larson, Results RNA is a biomedical research firm headquartered in Utah. With

decades and multi millions invested in research and development, Results RNA has achieved monumental scientific breakthroughs with the advent of Intra-oral spray technology; providing significant new health formulations to help you feel better, have more energy and endurance, to sleep better, achieve your health goals and live a better life.

Results RNA technologies are protected by significant U.S. and global patents. Forward thinking teams of research scientists, medical professionals and educators have been on a mission for the last 20 years to save and improve lives through groundbreaking biologics. Results RNA Intra-oral sprays represent a new age in detoxification and supplementation. This is the new science of health.

References: <https://icahn.mssm.edu/research/institutes/friedman-brain-institute/research/epigenetics>

