Restoring Gut Integrity after Iatrogenic Enterocolitis

“Unlock the Power to Heal!”

Robert S. Bell, D.A. Hom.

For educational purposes only.

© 2013 RSBell Media
“Stop asking for permission where none is required.”

Nullify Now!

Tenth Amendment Center

What is Health Sovereignty?
Were you pharmaceutically grown?

Over 4 Billion Prescriptions written in 2011.

This is **NOT** health sovereignty.
This is health sovereignty.
Where is health sovereignty destroyed? Are there any identifiable causes?

- Vaccines
- Antibiotics
- Additives
- Preservatives
- Flavorings
- Colorings

- Pesticides
- Herbicides
- Fungicides
- Mercury
- BPA
- GMO
“I am going to hospitalize you. Your condition has improved to the point that you could survive the food.”
Gut damage results in immune deficiency (both acute and chronic).

- Nutrient assimilation suffers.
- Most food is devoid of adequate vitamins, minerals and trace minerals.
- Toxins (stress) from food, water, air and medicine deplete nutrients even further.

What is the rightful remedy to restore gut health sovereignty?
Gut Inflammation
Primary silver properties

Virostatic
Anti-Fungal
Anti-Bacterial

Mechanism of action: salt vs. charged particle

$\text{Ag}^{1+}$

- Electrical charge is necessary in order to initiate the effective anti-microbial action.
- The species of the charged silver determines the level of functional toxicity versus actual safety.
What is the active state of Argentum metallicum?

“The Body Electric” by Dr Robert O. Becker.

“It wasn’t the current but the silver ions that were engaging and defeating the armies of pathogens lined up against him.”

The process by which this occurs is called iontophoresis. Silver cations (Ag\(^{1+}\)) were discharged into the wounds by the current applied to the electrodes he used – in this case silver coated nylon mesh.

Yet for all his success, these well-documented interventions encountered nothing but apathy in the medical establishment, and Dr Becker’s lab was finally closed [for lack of support].
Silver nanoparticles act primarily in three ways against Gram-negative bacteria\textsuperscript{1*}:

(1) nanoparticles mainly in the range of 1–10 nm attach to the surface of the cell membrane and drastically disturb its proper function, like permeability and respiration;

(2) they are able to penetrate inside the bacteria and cause further damage by possibly interacting with sulfur- and phosphorus-containing compounds such as DNA

“The antibacterial effect of [silver] nanoparticles is independent of acquisition of resistance by the bacteria against antibiotics.”

ANTI-FUNGAL PROPERTIES

Silver nanoparticles (Ag\(^{1+}\) and Ag\(_{(n)}^{1+}\)) exhibit powerful actions against yeast organisms, including Candida albicans, in vitro.\(^1,2,3\)

ANTI-VIRAL PROPERTIES

Primary mechanism of action: Virostatic

- Neutralizes the negatively charged Zeta-potentials of the glycoproteins within viral envelopes
- Denaturation of protein capsid structures
- Permanent binding to DNA and RNA macromolecules preventing host cell injection and replication

ANTI-VIRAL PROPERTIES

Primary mechanism of action: Virostatic
Autism Recovery Telesummit

IMMUNE SUPPORT PROPERTIES

Oligodynamic silver improves the body’s internal colloidal milieu by facilitating oxidative reactions central to immunity, including ROS production.¹,²,³,⁴

Silver enhances ROS production, facilitating the efficiency of B-lymphocyte activity.⁵

REGENERATIVE PROPERTIES

Silver accelerates tissue healing and prevents scar tissue formation.¹,²

Technical information below:

• Positive silver ions (or charged silver nanoparticles) stimulate de-differentiation and re-differentiation of stem cells in vivo, accelerating healthy tissue healing events wherever there is inflammation, infection or injury.¹
• Promotes accelerated wound healing while improving cosmetic appearance on recovery (no scarring)²
• Positive effects exerted through antimicrobial properties, reduction in wound inflammation, and modulation of fibrogenic cytokines²

Epithelial tissue regeneration

In addition to The Body Electric by Dr. Robert Becker, a published study conducted by the University of Hong Kong titled “Topical Delivery of Silver Nanoparticles Promotes Wound Healing”¹ revealed:

Silver Nanoparticles were proven to promote accelerated healing as well as nearly normal hair growth on the wound surface and contributed to achieving better cosmesis.

The photographs at right show wounds from animals treated with Silver Nanoparticles [ND] and Silver Sulfadiazine [SSD] – Results on days 0, 10, and 25 after burn injury.

Do silver nanoparticles have the same effect on other wounds? Besides burns, wound healing in diabetic mice was also investigated. In this model, wounds treated with silver nanoparticles completely healed in 16±0.41 days after injury.
ANTI-INFLAMMATORY PROPERTIES
Silver reduces tissue inflammation.

Technical information below:

• Decrease in adhesion severity.¹
• Silver nanoparticles may exert anti-inflammatory activities by decreasing Interferon-g production.¹
• The anti-inflammatory effect of silver nanoparticles observed in the in vivo model is not due to increased cell death.¹
• Silver nanoparticles decrease TNF-a production on LPS stimulated macrophages.¹

Nanosilver significantly reduced adhesion of platelets to vessel walls and subsequent ‘clogging’ of the vascular system.¹

- Nanosilver significantly retarded the loss of phosphorous (the major component of bone minerals) and reduced the loss of calcium from intercellular structures (e.g., bones).
- There was no evidence of nanosilver causing destruction of human cells.
- Nanosilver particles being so small they penetrate small capillaries during treatments to deliver their anticoagulation activity.
- Nanosilver has the added value of providing antibacterial action.
- Nanosilver particles do not bio-accumulate, being systematically eliminated by the liver and kidneys.

Oncolytic Properties

Silver causes damage to cancer cells.

- Uptake of silver nanoparticles occurs mainly through clathrin mediated endocytosis and macropinocytosis.\(^1\)
- Cancer cells appear to be susceptible to damage with lack of recovery from silver nanoparticle-induced stress.\(^1\)
- Silver nanoparticles are found to be acting through intracellular calcium transients and chromosomal aberrations, either directly or through activation of catabolic enzymes.\(^1\)
- The signalling cascades are believed to play key roles in cytoskeleton deformations and ultimately to inhibit cell proliferation.\(^1\)

Does silver harm healthy mammalian cells?

These cells are epithelial cancer cells. LoVo was isolated in 1971 from a fragment of a metastatic tumor nodule in the left supraclavicular region of a 56-year-old Caucasian male patient with a histologically proven diagnosis of adenocarcinoma of the colon.
Germs cause disease?

The Law of the Terrain

It is the terrain, milieu or environment that determines health or disease, not the pathogen.
**Candida Albicans**

Definition: *A yeast-like fungus with many different strains*

- More than 63 strains, and more are being genetically modified all the time
- Some scientists devote their entire career to studying Candida
- Commercially, Candida strains are used in the manufacture of chocolate

Candida often compromises the integrity of the entire intestinal tract.
Heavy metal detoxification is critical for candida remediation.

- Heavy metals enter the body through multiple avenues.
- Symptoms vary according to types of metals and individual absorption.
- Candida connection.

The respected journal, *Human Toxicology*, published a study showing that homeopathic doses of arsenic eliminated crude doses of trapped arsenic previously fed to rats¹. Human studies also indicate homeopathic medicine increases the release of toxic metals from the body.

Reference:

Autism Recovery Telesummit
Detoxification

• Food source:
  • Non-denatured whey protein
  • Selenium
  • GTF Chromium

• Homeopathy:
  • Drainage remedies
  • (Bryonia, Nux vomica, Chelidonium)

• Other important methods:
  • Coffee enema
Silver speciation

Inefficiency of Ionic silver

Ionic salt solutions and silver proteins:

\[ \text{Ag}^{1+} \]

Biological activity is due to varying rates of dissociation.
Silver speciation

Colloidal suspension

$\text{Ag}_n^{1+}$

Silver content is fully engaged for immediate functional biological activity.
SILVER HYDROSOL

• A silver hydrosol is an inorganic suspension of very pure (99.999%), three-dimensional, homonuclear or elemental silver nanoparticulates ≤ 10 nm in size as the dispersed phase, stabilized by water as the continuous phase.
• Particle size is a critical criterion of definition as this relates directly to inherent properties, changes in extensive properties, stability and efficiency (surface area availability).
• Has CAS Registration # (CASRN) distinct from elemental, colloidal and ionic silver.
Silver Hydrosol is significantly different from colloidal silvers by virtue of particle size and energy (resulting in uniform dispersion).

Transmission Electron Micrographs at 100,000x magnification
The Silver Hydrosol is (C).

A. Colloidal 10 ppm
   Label: 10 ppm; Actual: 11.2 ppm

B. Colloidal 30 ppm
   Label: 30 ppm; Actual: 34.2 ppm

C. Silver hydrosol 23 ppm
   Label: 23 ppm; Actual: 23.13 ppm

D. Colloidal 20 ppm
   Label: 20 ppm; Actual: 26.76 ppm

E. Silver salt 240 ppm
   Label: 240 ppm; Actual: 189.4 ppm

F. Colloidal 500 ppm
   Label: 500 ppm; Actual: 0.3 ppm
Excretion

How does silver leave the body?

The normal pathway for the metabolism and excretion of ingested silver is via the liver (Phase 2) selenium-dependent pathway, where it is then converted to solid waste for elimination via the colon.¹

¹Rentz EJ. Viral Pathogens and Severe Acute Respiratory Syndrome: Oligodynamic Ag+ for Direct Immune Intervention. Journal of Nutritional and Environmental Medicine (June 2003) 13(2), 109-118.
Comparative toxicity of different silver species:

$\text{Ag}^{1+}$ highest toxicity, $\text{Ag}_{(n)}^{1+}$ lowest toxicity

<table>
<thead>
<tr>
<th>Relative Toxicity by General Species of Silver</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Highest</strong></td>
</tr>
<tr>
<td>Salt solution - inorganic</td>
</tr>
<tr>
<td>Salt solution - organic</td>
</tr>
<tr>
<td>Salt alkali</td>
</tr>
<tr>
<td>Protein complex / crystalloid</td>
</tr>
<tr>
<td>Oxide</td>
</tr>
<tr>
<td>Colloidal dispersion</td>
</tr>
<tr>
<td>Hydrosol</td>
</tr>
<tr>
<td><strong>Lowest</strong></td>
</tr>
<tr>
<td>Homeopathic</td>
</tr>
</tbody>
</table>

Autism Recovery Telesummit
**EPA Daily Reference Dose Silver**

Why 23 ppm?

When it comes time to buy or use a silver supplement, it is important to know what are the established safe and critical levels for ingestion.

The EPA (Environmental Protection Agency) has, for health purposes, established a daily oral reference dose for silver over a 70-year study.

Safe: **350 micrograms (mcg)**
Critical: **980 micrograms** (lowest observed adverse event level)

<table>
<thead>
<tr>
<th>Concentration</th>
<th>Tsp. once a day</th>
<th>3 times daily</th>
</tr>
</thead>
<tbody>
<tr>
<td>23 ppm</td>
<td>115 mcg</td>
<td>345 mcg</td>
</tr>
<tr>
<td>50 ppm</td>
<td>250 mcg</td>
<td>750 mcg</td>
</tr>
<tr>
<td>100 ppm</td>
<td>500 mcg</td>
<td>1,500 mcg</td>
</tr>
<tr>
<td>250 ppm</td>
<td>1,250 mcg</td>
<td>3,750 mcg</td>
</tr>
<tr>
<td>500 ppm</td>
<td>2,500 mcg</td>
<td>7,500 mcg</td>
</tr>
<tr>
<td>1,000 ppm</td>
<td>5,000 mcg</td>
<td>15,000 mcg</td>
</tr>
<tr>
<td>2,000 ppm</td>
<td>10,000 mcg</td>
<td>30,000 mcg</td>
</tr>
</tbody>
</table>

[www.epa.gov](http://www.epa.gov) ---- IRIS Report ---- Silver
This is what can happen if you consume inferior colloidal silver:

Argyria is a benign skin condition resulting from the ingestion of silver compounds (silver salts, silver proteins, or silver bound to other contaminants) over time.
FUNCTIONAL NUTRITION

• Silver, despite it being maligned by government regulators, is a normal constituent of the mammalian diet.
• As a trace element it is found consistently in food and water, including whole grains, edible and medicinal mushrooms, milk (whether it be cow, goat or human).
• Silver is found in spring water, sea water and even tap water. ¹,²

In human physiology, silver plays an important role. It is literally an essential trace element for the peripheral nervous system. Science has now identified receptor sites for silver in myelin neural tissue.¹,²

Gut Inflammation
G.I. INTERACTION:

- Most of the silver dose is absorbed in the following areas: sublingual, oral/nasopharyngeal tissue, esophageal surface, stomach, MALT, and GALT lymphatics.

- Second, according to the studies done by Furchner et al., this leaves approximately 10% of the oral dose available for absorption from the lumen of the small intestine into the bloodstream via the capillaries. Is ANY of the dose still bioactive? No. After the 10% is absorbed into the bloodstream, it goes directly to the liver. How much survives this first pass into a healthy liver and then goes out into the general circulation of the bloodstream? None; unless the oral dose is very high, such as 100cc volume or more.
BACTERICIDAL ACTIVITY IN THE GUT:

• An oral dose has to exceed 2 tablespoons of volume, which means more than 30cc. There is a silver hydrosol preference toward pathogens because these bacteria have a negatively charged surface or negative zeta-potential. Good bacteria, such as Lactobacilli sp. have a more positively charged surface. If the dose is light enough, mostly pathogenic species will be selectively killed. With a larger dose, all species are killed. So, oral dosage becomes a fine line situation. By mixing the silver with aloe gel / juice, the silver is carried farther along the lumen to kill micro-organisms lower in the gut.
INTESTINAL PROTOCOL

- Take one to two tablespoons (30 to 60 mL) Bio-Active Silver Hydrosol with same amount of pure Aloe liquid, 3 times daily for one to two weeks (or more if needed).
- Pre/probiotic nightly.

Other powerful adjuncts:
- Bone broth
- L-glutamine
- Silica
- Homeopathic Baptisia, Phosphorus
Bio-Active Silver Hydrosol

ORAL PROTOCOLS

• Maintenance – One teaspoon (5mL) daily.
• Immune-Building – 3 times daily.
• Long-Term Immune Support – 5 times daily.
• Short-Term Immune Support – 7 times daily.

INTESTINAL PROTOCOLS

• Take one to two tablespoons (30 to 60 mL) with same amount of pure Aloe liquid, 3 times daily for one to two weeks (or more if needed). Pre/probiotic nightly.
• Bolus dosing for acute microbial toxicity.
OTHER INDICATIONS

- Nasal
- Otic
- Ocular
- Female health
- Gums
- Liver/Colon
- Respiratory
- Food poisoning

TOPICAL PROTOCOLS

- Burns
- Wounds
- Infection
- Cuts
- Acne
- Fungus
- Rash
- Poison Ivy
- Shingles
- Inflammation
- Ulcerations
- Bug bites/stings
- Hygiene – hand sanitization/purification
Health Sovereignty & Bio-Active Silver Hydrosol

“The Power to Heal is Yours!”

Robert S. Bell, D.A. Hom.

For educational purposes only.

© 2012 RSBell Media
Conscious Awareness & Rightful Action

Exercise all of your bodies.
Thank you!