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## **General Silver Safety Information**

## A Look at Severe Silver Poisoning

This document explores silver metal toxicity and silver poisoning. Much of the included information was acquired from "oldstyle" Materia Medicas. None of the information included in this document is directly or even closely related to isolated colloidal silver as we know it today.

#### Data Derived from Materia Medicas

Silver Metal Poising Toxicity Symptomology

Anti Psoric and possibly anti-sycotic

- Direct effect on cartilages
- Direct effect on nerves and nerve sheaths
- Effects the brain/nervous system over time
  - gradually softens tissues
  - targets "intellectual" sections of the brain
  - Slight changes to voluntary systems (undefined)
  - May affect reasoning abilities
    - □ Physical symptoms of neck and back pain, and tearing pain throughout body
    - Mental fatigue and restlessness with vertigo
  - Symptoms masked by coffee/caffeine intake
  - Symptoms temporarily relieved by exercise
  - Cold weather increases pain from Rheumatism
  - Increased joint pain
  - knotting of cartilage
- Effects left testes and right ovaries (hardening)
- Mental and emotional excitement to the point of rage
- Experience of shock sensations in the limbs upon going to sleep
- Skin irritation, itching sensation that cannot be relieved
- Painful tension in the throat
- Gray mucus from throat and sinuses
- Heart Palpitations while lying on the back

The above describes metallic silver poisoning as a byproduct of homeopathic treatments for various disorders. This illustrates the great importance of proper particle sizing in colloidal silver. Of course, the above applies to Metallic Silver in general.

In addition, metallic silver stimulates the body to eliminate other heavy metals. Acting as a chelating agent, heavy metals can be re-released into body tissues.

Silver Metal comes in the following forms: Tablets, capsules, powders ( ground silver ), as well as compounds such as Silver Nitrate and other protein/salts.

An Average <u>DOSE</u> of such substances can be as high as 5 mg daily. From the data on previous pages it is easy to see how silver poisoning can occur in a short period of time.

Saccharum Lactis (Lactose Sugar) can be mixed with Metallic Silver in order to minimize the toxic effects of such large doses.

- Argenti Oxidum (Silver Oxide) no dangerous side effects discovered
- Argenti Nitrus (Silver Nitrate) Toxic (Argyria, even explosive if added with vegetable oils) see above symptoms.
- Argenti Iodidum (Silver Iodide) Reportedly does not cause Argyria in large doses.

Nitrates are extremely sensitive to organic matter and light. All silver salts are highly reactive with chlorides. Interestingly, dissolving in distilled water significantly lessens any reaction. Silver<u>stains</u> may be removed by scrubbing with Potassium Cyanide. The stains referred to are a result of the combination of silver salts with albumen, activated by light exposure.

Continued and prolonged use of silver salts produces degeneration of tissues and organs, discoloration of skin, hemorrhaging, nervous system impairment, large scale paralysis, loss of coordination, convulsions, and death by respiratory failure due to paralysis.

Potassium Iodide is recommended in conjunction with the silver salts to help prevent silver toxicity. Sodium Hyposulphite should be added to bath water to assist the body's elimination process.

The information above is based almost exclusively on Silver Nitrate. If colloidal silver responded even partially like these compounds, there would be thousands of cases of silver poisoning, with more being diagnosed daily. The facts? Not one case of silver toxicity has been found due to isolated colloidal silver.

In addition, the above data gives an excellent symptom baseline for those concerned with silver poisoning. For those who have been using colloidal silver for years, a simple mental inventory of one's physical condition would provide the necessary information to set one's mind at ease.

### **Colloidal Silver:** Keeping Things in Perspective

We are still in the process of checking the authenticity of the above symptoms for extreme silver poisoning. It should be understood, that it has likely been over 40 years since anyone has experienced silver toxicity to this degree.

However, the above data, if indeed accurate, gives us an extraordinary amount of knowledge. We found one reference that claimed that Argyria often first causes slight discoloration of the white of the eye.

- A recent poll taken from over 200 participants has clearly demonstrated that even when used regularly for 2 5 years, no ill effects are experienced from using colloidal silver.
- An independent researcher analyzed <u>silver elimination vs. silver consumed</u>, over a period of several months consuming
  roughly 2.34 mg of colloidal silver daily. His results clearly demonstrated that even larger amounts of colloidal silver used
  internally are WELL handled by the body's elimination system. This study will can be viewed by clicking following this link.
- Another independent researcher, basing his study on a rabbit experiment, concluded that it would take about 13 gallons of 10 ppm colloidal silver to induce a toxic response, and this would have to be taken at one sitting.

In the event that for whatever reason, the body began to reach a toxic level of silver intake, it is easy to catch the first signs and thus avoid any serious effects, be they cosmetic or health oriented.

There are several people through the years that have made brief attempts to induce silver toxicity in their own body via properly made isolated colloidal silver, and we have never heard of a successful attempt, nor have we been able, in a DILIGENT search, to find one case of Argyria related to isolated colloidal silver.

If you or someone you personally know has experienced silver toxicity, and believe it to be caused by colloidal silver, please contact us! Your anonymity will be protected! Furthermore, if you know of non-colloidal silver toxicity cases where the symptoms have gone beyond cosmetic, as in the case of heavy silver nitrate usage, please contact us with your data! We've already studied all of the readily available data and cases that are commonly known.

#### **Are there Special Circumstances?**

One must realize, that even in the extensive drug testing conducted by drug companies for FDA approval for a new drug, not every variable can be accounted for. Indeed, it is a wise idea when taking anything new to carefully listen to one's body responses. Every person's body is unique.

Conditions which hamper the body's own elimination system can increase any risk to silver toxicity. However, from the models that we have developed hypothesizing liver and kidney failure, this risk increase does not apply to colloidal silver in any reasonable quantity consumed, even over years of daily consumption. We provide this

information to simply bring awareness to the principles in action. Many people diagnosed with severe liver conditions have safely taken colloidal silver for years with no adverse effects.

There is a POSSIBILITY of allergic reaction to pure silver. While most allergic reactions apply only to silver alloys, there still remains the minute possibility of allergic reaction to pure silver. Like most common reactions, cessation of the allergy causing substance results in complete alleviation of symptoms, with no lasting effects.

Exotic medications: There is a possibility that colloidal silver may interact with rare prescription drugs that have unique hydrochloric acid combinations. We were not able to do any follow up work as of yet, however, it should be noted that this does NOT apply to simply taking HCL in any form. From the brief data that we gathered, an easy test is to take a few drops of clear colloidal silver, and apply to skin. If a gray patch develops on the exposed area that does not rub off, avoid exposure to any type of silver. The stain is not permanent, and can be scrubbed off or will fade off in a few days. Again, if you have experience with this phenomenon, please contact us.

#### **Conclusions**

After exhaustive work based on anecdotal evidence, the study of EPA guidelines, FDA inquiries, and various privately sponsored research studies, it is quite clear that isolated colloidal silver is NOT a toxic substance in the body. This can be demonstrated theoretically by legally established guidelines, by a growing body of anecdotal evidence, and by various studies concentrating on colloidal silver elimination through natural body processes.

In the sincere attempt to be as thorough as possible, the data on these pages provides information on how to catch silver toxicity in general before it has a chance to adversely affect one's appearance or health.

Armed with the knowledge and the understanding of how colloidal silver works in the body, an interested party should have ample data to draw an educated conclusion on colloidal silver toxicity. If you have pertinent data not listed in this safety section, please contact us for inclusion!

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