

ESSENCE OF WELLNESS



# SILVER And Animals

The Silver Secret to Animal Health

DR. GORDON PEDERSEN, PH.D.

# NATURAL & SAFE HEALTH SECRETS FOR PETS

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Φ HOW TO NATURALLY PROTECT THE HEALTH &  
LONGEVITY OF YOUR BELOVED PETS... WITHOUT DRUGS  
OR EXPENSIVE TREATMENTS

By Gordon Pedersen, Ph.D.

Board Certified in Anti-aging and Regenerative Medicine  
3X Ph.D in Immunology, Biology, & Naturopathic Medicine  
Director of the My Doctor Suggests Institute

# About the Author



Gordon Pedersen is a Naturopathic Doctor (ND) with a Ph.D. in Toxicology from Utah State University. He also has Ph.D. degrees in Immunology and Biology. He is board-certified in anti-aging and regenerative medicine and holds a Master's degree in Cardiac Rehabilitation and Wellness. He performed an internship with Jonas Salk, the American medical researcher

noted for the discovery and development of the polio vaccine. He has formulated over 150 products, was a bronze medalist in the 2003 Utah Winter Games, and is a best-selling author.

Gordon has spent countless hours reviewing silver information and is frequently called upon as the world's leading authority on silver as a health tool. He is a member and distinguished speaker for Special Operations Medical Association (SOMA) and has spoken with several national and international governmental organizations about silver. He has volunteered and personally funded efforts to bring silver's benefits into Africa's poorest communities with dramatic results including his published cure for malaria (10).

Gordon wrote this booklet to help as many women as possible enjoy improved personal health. He hopes that it will be helpful for women around the world, raising awareness of how silver provides new answers to age-old health questions.

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Millions of people consider their pets to be part of the family. So, not surprisingly, pet health is a major concern. While there are specialized health care options for animals ranging from advanced surgical procedures to any number of pharmaceutical drugs, there is also an affordable, all-natural solution for a broad array of pet health needs. This solution is pH balanced structured silver.

## WHAT IS STRUCTURED SILVER?

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Structured silver (hydrosol) is simply superfine silver particles dispersed in deionized water. The term “Sol” is a chemical designation of a pure mineral, such as metallic silver, permanently suspended in water where the mineral’s charge is transferred to the entire body of water. This technology includes advanced scientific research and new product development utilizing its anti-bacterial, anti-viral, and anti-fungal properties. Structured silver functions as a non-toxic disinfectant for internal or external use and it comes in three forms: liquid, topical gel, and aerosolized. From toenail fungus to rashes, it aids the immune system in reducing the bacteria, viruses, and mold it encounters.

## Is It Safe To Take?

Structured silver is very safe to take because it is non-toxic, even at high levels. It is produced in extremely low parts per million (5-40 ppm); as a result, there is virtually no potential for it to pose a problem.

## Why Should I Use Silver With Animals?

Although there are myriad uses and benefits, here are 12 simple reasons to use a pH-balanced silver for your pet:

1. Protects against pathogens: Silver has been shown to effectively eradicate a number of bacteria, viruses, and other microbes, many of which are found in animals.
2. Supports the immune system: Helps strengthen the immune system against illness and disease.
3. Reduces inflammation: Through its disinfectant power, silver can reduce infection and slow the inflammatory response in animals.
4. Protects against many parasites: Liquid silver has shown to help protect your pets against many parasites.
5. Provides pain relief: Silver effectively reduces swelling and infection, and therefore reduces the associated pain without the side effects of traditional medicines.
6. Promotes oral health: Silver can help reduce tooth plaque and decay, and minimize bad breath. It also is effective for mouth and jaw infections.
7. Supports eye, ear and nose health: Silver is commonly applied to the eyes, ears, and nose for infections and other problems.
8. Keeps skin and coats healthy: Alkaline structured silver can effectively fight skin infections and help maintain a healthy coat.
9. Soothes wounds and burns: Can effectively heal wounds, scrapes, tears and burns.
10. Calms digestive ailments: Silver can safely be consumed to help with ailments of the digestive tract, such as food poisoning, vomiting, diarrhea and intestinal infections.
11. Disinfects pet surroundings: Silver is a terrific tool for disinfecting and cleaning your pet's surroundings, including dog and cat houses, litter boxes, food and water bowls, birdcages and so forth.
12. It is extremely SAFE: Dozens of studies, as well as thousands of anecdotal cases, have shown silver to be non-toxic and very safe for internal and external application.



## HOW DO I USE SILVER WITH ANIMALS?

Silver liquid and gel will destroy the bacteria, viruses, yeast and numerous parasites if the silver can stay in contact with the pathogen for 6 minutes. Liquid is used for internal consumption (in water bowls for example), where as gel is primarily used for external applications because it will stay in place longer. Both will completely kill pathogens. Silver liquid or gel can be added to drinking water, pumped into the mouth of the animal, applied to any orifice, and is actually absorbed very well rectally.

Animals can drink the liquid pH balanced silver for immune system benefits. It is given in amounts proportionate to the body weight of the animal. Example:

<15 pounds = 2 ml (1 ml twice daily, however, 1/2 tsp  
is generally the smallest dose given)  
75 pounds = 10 ml (one tsp twice daily)  
150 pounds = 20 ml (two tsp twice daily)

For more serious conditions, or for larger animals, the dose can be doubled, tripled or even quadrupled.

Gel can be given topically, orally and, or, in every orifice of the body in doses that cover the wound or treat the orifice. The usual practice is to apply twice a day, but it is safe enough to apply 5 or more times a day (which is rarely needed).

## GENERAL PET CARE

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Whether your pets live indoors or outdoors, they will be healthier, cleaner, and happier—and so will you—when you take advantage of silver’s amazing benefits.

### **Some basic tips that apply to most pets:**

- Keep bedding clean and free of bacteria and parasites by regularly spraying it with undiluted silver. Allow to air dry.
- Keep your pet healthy and strong to begin with. Apply a daily maintenance dose (see usage chart) to your pet’s food or water dish to keep his immune system strong and help prevent disease.
- Save money! Try silver before you go to the vet, or in conjunction with your vet’s advice.
- Spray opened cans and containers of pet food with silver and place in the refrigerator to make it last a few more days.
- If your pet is injured, spray or dab silver gel on the wound. If possible, bandage it until it heals.
- Because silver is essentially tasteless and odorless most pets will eat or drink it readily.
- There is something about silver that animals just love. They’ll gravitate to undiluted silver over water if given the choice. Drinking silver also remedies stomach infections quickly.
- Prevention is always better than treatment after- the-fact. Use silver daily in water as preventive measure against bacteria, viruses and mold.
- Your pets get into everything! Make sure you protect them and yourself by spraying the silver around the house as a disinfectant.
- Spray food and add silver to water to prevent bacterial growth or slimy water.

## CATS

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Silver is great for cats! Cats naturally have silver in their bodies (all pets do), but the level is low because of our mineral-deficient soil. Adding silver to your cat’s food or water will help boost its immune system to fight bacterial, viral and fungal infections. It does not have

an odor. It will not be harmful to them if it gets on their fur and they lick it. Be sure your cat is drinking plenty of water to allow the silver to work its magic; the bad stuff will get flushed out. PH balanced silver is an excellent alternative to both pharmaceutical antibiotics and prescription or over-the-counter anti-fungal treatments. If you do choose to use medications, it will work synergistically with the medicine to enhance the recovery process. It can be given to your cat in his food or (preferably) water, or applied to its skin or fur a few times a day. Kittens in particular respond well to silver.

**Additional Tips:**

- A daub of silver gel on a cotton swab and/or liquid dropped from an eyedropper makes an excellent eyewash for pets with eye infections. Persian cats are especially prone to such infections and should have their eyes washed regularly.
- A daub of silver gel on a cotton swab and/or liquid dropped from an eyedropper in the ears of a cat with an ear infection is a safe, fast and effective way to safely treat them. There's no need for a trip to the veterinarian or expensive pharmaceuticals. You can expect a few drops of silver to do the job in one or two days.
- If your cat suffers from abscesses they may be treated internally as well as externally with silver. A good protocol for many problems is to treat the external problems directly with the gel, while adding silver liquid to your cat's water, indirectly helping from the inside out. Attacking the issue from both sides generally produces great results.

## Most Common Health Problems — Cats

The following chart is intended as a reference to help you provide the best care for your precious cat.

- Abscesses: When you first clean the abscess, rinse it with liquid structured silver. Reapply as necessary until abscess heals.
- Allergies: Spray your cat's eyes and nose with silver (if you can!), and put silver in drinking water.

## Natural & Safe Health Secrets for Pets

- Antibiotic alternative: Apply Antibiotic to drinking water as a general alternative, or gel directly to wounds or affected areas.
- Antiviral: Use in drinking water to fight viral infections.
- Arthritis: Add a teaspoon of silver daily to drinking water to fight arthritic symptoms. Apply gel directly to particularly bothersome areas.
- Bad Breath: Place structured silver in your cat's water bowl or spray directly into mouth to kill bacteria that causes bad breath.
- Bites: Place silver gel directly on wound. Additional benefits can be derived by adding silver to drinking water.
- Constipation: Adding silver to your cat's drinking water will help produce regular movements.
- Diarrhea: Give you cat silver twice daily until symptoms subside. Follow usage chart above.
- Ear Infection: Use a dropper to place five drops into the ear canal. Repeat the process in each ear every 12 hours.
- Eye Problems: A daub of silver gel in an eyedropper makes an excellent eyewash for cats with eye infections.
- Feline Lower Urinary Tract Disease: By hydrating your cat with silver you can help lessen the pain and quicken the recovery. Follow usage chart above.
- Fleas: Topically applying silver to your cat's coat helps kill unwanted bacteria and alleviates irritated skin caused by fleas.
- Gingivitis: Dilute your cat's water dish with silver or spray directly into mouth for best results.
- Itching: If you can apply gel directly to affected area that is best. Otherwise, spray with silver liquid.
- Lyme Disease: Use 5x normal dosage for a month, then taper usage back to normal. Repeat if necessary.
- Mold & Fungus: Soak affected areas for at least six minutes once daily. Where not possible, spray areas several times daily.
- Pain: Silver in drinking water will help alleviate inflammation.
- Parasites: Give your cat silver twice a day for up to 45 days. Follow usage chart above.
- Post Surgical: Apply gel or spray affected area 2-3 times daily.
- Tapeworms: May be treated by using silver orally or topically. Follow usage chart above.
- Ticks: Once tick is removed use silver gel on wound.

- Toothpaste: Silver works excellent for oral care. Use the gel as a daily toothpaste for optimal oral health.
- Vomiting: By simply putting silver in your cat's water dish you can help alleviate your cat's upset stomach.
- Wound Healing: structured silver gel can be applied topically to any wound one to four times a day. Follow usage chart above.

## DOGS

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One of the deadliest and most feared viruses among dog and kennel owners is canine parvo. Silver is the solution. Not only is it antiviral, but antibacterial and antifungal as well. Silver is a well-known alternative treatment for dogs suffering from parvo, and it has saved a lot of lives. Conventional veterinary treatments oftentimes fail because they only have antibiotics, which do nothing to stop viral infections. When prescribed in cases of canine parvo the dog dies about 80% of the time. It's unnecessary and completely preventable!

Good health for dogs comes by way of prevention. By having a great diet, removing environmental and internal toxins and supporting the immune system with silver, your dog will be virtually immune to most health challenges. A healthy dog is not an attractive host to any parasite, bacteria or virus.

Adding silver to your dog's food or water will help support its immune system to fight bacterial, viral and fungal infections. It does not have an odor. It will not be harmful to them if it gets on their fur and they lick it. Again, be sure your dog is drinking plenty of water to allow the silver to work its magic; the bad stuff will get flushed out. PH balanced silver is an excellent alternative to both pharmaceutical antibiotics and prescription or over-the-counter anti-fungal treatments. If you do use medications, it will work synergistically with the medicine to enhance the recovery process. It can be given to your dog in its food or (preferably) water, or applied to his skin or fur a few times a day.

### **Additional Tips:**

- A daub of silver gel on a cotton swab and/or liquid dropped from an eyedropper makes an excellent eyewash for dogs with eye infections.
- A daub of silver gel on a cotton swab and/or liquid dropped from an eyedropper in the ears of a dog with an ear infection is a safe, fast and effective way to safely treat them. There's no need for a trip to the veterinarian or expensive pharmaceuticals. You can expect a few drops of silver to do the job in one or two days.
- Many people like to brush their dog's teeth. Silver can be applied directly into a dog's mouth via drops, sprays, or even putting the gel on a toothbrush to help reduce bacteria, heal oral tissues and keep the gums and teeth clean. For dogs, it can also be added to homemade tooth powders and rinses.
- A word of caution: flea, tick and mosquito products contain neurotoxins and cancer-causing ingredients that can damage kidneys, alter thyroid function, and affect behavior.

## **Most Common Health Problems — Dogs**

The following chart is intended as a reference to help you provide the best care for your precious dog.

- Abscesses: When you first clean the abscess, rinse it with liquid structured silver. Reapply as necessary until abscess heals.
- Allergies: Spray your dog's eyes and nose with silver (if you can!), and put silver in drinking water.
- Antibiotic alternative: Apply to drinking water as a general antibiotic alternative, or gel directly to wounds or affected areas.
- Antiviral: Use in drinking water to fight viral infections.
- Arthritis: Add a teaspoon of silver daily to drinking water to fight arthritic symptoms. Apply gel directly to particularly bothersome areas.
- Bad Breath: Place structured silver in your dog's water bowl or spray directly into mouth to kill bacteria that causes bad breath.
- Bites: Place silver gel directly on wound. Additional benefits can be derived by adding silver to drinking water.

- Constipation: Adding silver to your dog's drinking water will help produce regular movements.
- Diarrhea: Give your dog silver twice daily until symptoms subside. Follow usage chart above.
- Ear Infection: Use a dropper to place five drops into the ear canal. Repeat the process in each ear every 12 hours.
- Eye Problems: a daub of silver gel in an eyedropper makes an excellent eyewash for dogs with eye infections.
- Fleas: Topically applying silver to your dog's coat helps kill unwanted bacteria and alleviates irritated skin caused by fleas.
- Gingivitis: Dilute your dog's water dish with silver or spray directly into mouth for best results.
- Itching: If you can apply gel directly to affected area that is best. Otherwise, spray with silver liquid.
- Lyme Disease: Use 5x normal dosage for a month, then taper usage back to normal. Repeat if necessary.
- Mold & Fungus: Soak affected areas for at least six minutes once daily. Where not possible, spray areas several times daily.
- Pain: Silver in drinking water will help alleviate inflammation.
- Parasites: Give your dog silver twice a day for up to 45 days. Follow usage chart above.
- Post Surgical: Apply gel or spray affected area 2-3 times daily.
- Ticks: Once tick is removed use silver gel on wound.
- Toothpaste: Silver works excellent for oral care. Use the gel as daily toothpaste for optimal oral health.
- Vomiting: By simply putting silver in your dog's water dish you can help alleviate your dog's upset stomach.
- Worms: May be treated by using silver orally or topically. Follow usage chart above.
- Wound Healing: structured silver gel can be applied topically to any wound one to four times a day. Follow usage chart above.

## Horses & Other Large Mammals

Large animals are easier to work with in many ways. However, because they are much larger you must use a proportionately larger amount of silver to have the same antiviral, antifungal and antibacterial effect. As with any animal, one of the first things you can do is make sure

the animal is drinking pure water. Chlorinated water will suppress the thyroid and immune function quicker than in humans, making healing a much longer process. The volume of water these larger animals are consuming exacerbates this problem.

**While much of the information with large animals is similar to what you've already read, here are some specific tips:**

- With large animals you can pull out the bottom lip to place liquid or gel. The capillaries in the lip will carry the silver to the bloodstream immediately to increase the healing effect.
- When working with larger animals or addressing hard to reach areas put the silver liquid in a spray bottle and spray directly on the location.
- Silver has produced successful results when used to treat coughs and colds in large animals.
- Structured silver (especially the gel) has been particularly effective against hoof abscesses in horses and other large animals.
- Large wounds, abscesses or other skin irritations can be washed or sprayed with silver then treated with gel.
- Silver has shown dramatic results with very young animals such as foals and calves. Many animals gain weight and energy following a course of silver.
- Symptoms such as coughs and colds, hoof abscesses and eye infections respond best by administration of a high dosage for 5 days followed by the daily maintenance dose.
- Great results have been noted when using silver for 'Seedy Toe', overreach injury in horses and for greasy heel infections—allow the area to be soaked in silver for 6 minutes before applying the gel.

## Most Common Health Problems — Horses and other Large Mammals

The following chart is intended as a reference to help you provide the best care for your precious horses and other large animals.



- Abscesses: When you first clean the abscess, rinse it with liquid structured silver. Reapply as necessary until abscess heals.
- Allergies: Spray around your horses eyes and nose with silver (if you can!), and put silver in drinking water.
- Antibiotic alternative: Apply to drinking water as a general antibiotic alternative, or gel directly to wounds or affected areas.
- Antiviral: Use in drinking water to fight viral infections.
- Arthritis: Add several teaspoons of silver daily to drinking water to fight arthritic symptoms. Apply gel directly to particularly bothersome areas.
- Bad Breath: Place structured silver in your animal's water bowl or spray directly into mouth to kill bacteria that causes bad breath.
- Colic: Colic can be fatal and should be treated by a vet as soon as symptoms appear. Using silver can help your horse maintain a healthy digestive system. Follow usage chart above.
- Bites: Place silver gel directly on wound. Additional benefits can be derived by adding silver to drinking water.
- Constipation: Adding silver to your horse's drinking water will help produce regular movements.
- Dehydration: Horses can suffer from a number of different diseases that stem from dehydration. Diluting your horse's water with silver is a great way to keep your horse healthy and hydrated.
- Ear Infection: Use a dropper to place five drops into the ear canal. Repeat the process in each ear every 12 hours.
- Eye Problems: A daub of silver gel in an eyedropper makes an excellent eyewash for animals with eye infections.
- Fleas: Topically applying silver to your horse's coat helps kill unwanted bacteria and alleviates irritated skin caused by insects.
- Gingivitis: Dilute your animal's water dish with silver or spray directly into mouth for best results.
- Hooves: Regular maintenance, including applying silver often will help keep infections at bay. Follow usage chart above.
- Itching: If you can apply gel directly to affected area that is best. Otherwise, spray with silver liquid.
- Lyme Disease: Use 5x normal dosage for a month, then taper usage back to normal. Repeat if necessary.
- Mold & Fungus: Soak affected areas for at least six minutes once daily. Where not possible, spray areas several times daily.
- Pain: Silver in drinking water will help alleviate inflammation.

- Parasites, Worms and Insects: Silver destroys bacteria, viruses and molds and has the ability to enhance animal health by preventing and resolving parasites, worms and other irritants.
- Post Surgical: Apply gel or spray affected area 2-3 times daily.
- Respiratory Conditions: Respiratory problems can be fairly common among horses and other large animals. Ingesting silver can easily alleviate these ailments. Follow usage chart above.
- Ticks: Once tick is removed use silver gel on wound.
- Toothpaste: Silver works excellent for oral care. Use the gel as toothpaste for optimal oral health.
- Skin: Melanomas is one of the most common skin ailments among horses. Topically applying silver to your horse will help maintain healthy skin.
- Wound Healing: structured silver gel can be applied topically to any wound one to four times a day. Follow usage chart above.

## BIRDS

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Many bird lovers are gravitating to the versatility and effectiveness of silver. French moulting, parasitic infestation, breathing problems and many more diseases may prove to be things of the past. Many owners claim that their birds are flying faster, have more stamina and have never looked healthier since following the maintenance dosage. Farmers also note that breeding results improve and hens produce more chicks than before. Chicks, are reported to be healthier and hardier in the first few weeks of life. Like with all animals, birds benefit from the antiviral, antifungal and antibacterial benefits offered by pH- balanced silver.

### **Some tips specific to birds:**

- Mystery illness (bird resting on cage floor): use dropper to add silver orally, several drops 3 times daily for a week. Adjust dosage as necessary.
- Eye and Ear Infections: 1 - 4 drops depending on size. Should clear up in 24 hours.
- Conjunctivitis (pink eye): one drop, twice daily for 2 days.

- Sinus: Use a syringe to inject silver through the nostril openings in the sinus. One drop for finches twice daily until infection clears. More is required for larger birds such as Amazons and Macaws.
- Cuts, scrapes, cracks: clean the area thoroughly with liquid or gel. Re-apply daily until the wound completely heals.
- Egg Infection (Incubator): Clean the egg thoroughly with warm silver and wipe dry. Moisten a ball of cotton wool and place the egg on top to allow the liquid to soak through the shell into the embryo. Continue to moisten the cotton ball inside the incubator as required to keep it damp during incubation. Adjust humidity accordingly.
- New Birds (Quarantine): a few drops of solution per day given orally by dropper or syringe for large birds. Repeat for 7 days. For smaller birds 1 drop per day for 7 days. The solution can be mixed with the drinking water at a ratio of 1:100, all sizes of bird.
- E.coli Infection: These bacteria can multiply quite quickly (within 24 hrs) in drinking water that has become contaminated by food dropping from the bird's beaks as they drink. This water and food can quickly become a clouded soup of bacterial growth. By using silver in the drinking water, it stays clear even after 48 hrs. One teaspoonful of silver to one gallon of water.

## Most Common Health Problems — Birds

The following chart is intended as a reference to help you provide the best care for your precious bird.

- Abscesses: When you first clean the abscess, rinse it with liquid structured silver. Reapply as necessary until abscess heals.
- Antibiotic alternative: Apply to drinking water as a general antibiotic alternative, or gel directly to wounds or affected areas.
- Antiviral: Use in drinking water to fight viral infections.
- Arthritis: Regularly applying silver to trouble spots may help relieve pain. Follow usage chart above.
- Bumblefoot: This health problem is a swelling of the bird's foot and lesions that discharge milky-colored ooze. Applying silver daily will help lesions heal.

## Natural & Safe Health Secrets for Pets

- Conjunctivitis (pink eye): Use a dropper to apply one drop, twice daily for 2 days.
- Ear Infection: Use a dropper to place five drops into the ear canal. Repeat the process in each ear every 12 hours.
- Egg Infection: Clean the egg thoroughly with warm silver and wipe dry. Moisten a ball of cotton wool and place the egg on top to allow the liquid to soak through the shell into the embryo.
- Mites: Mites are an irritant to your bird's feathers and skin. Simply rub silver on your bird's feathers and skin to help eliminate any further irritation.
- Parasites: Silver destroys bacteria, viruses and molds and has the ability to enhance bird health by preventing parasites.
- Psittacine Beak and Feather Disease (BPF): Applying silver topically can help alleviate pain and improve recovery time. follow usage chart above.
- Stress: A steady diet of silver will help your bird maintain healthy stress levels, as well as a healthy immune system.

# FREQUENTLY ASKED QUESTIONS

## WHICH PET HEALTH CONDITIONS CAN BE IMPROVED BY USING STRUCTURED SILVER?

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Because silver destroys bacteria, viruses and molds it has the ability to enhance pet health by preventing and resolving a wide variety of threats. Here are just a few:

- Parasites
- Congestion
- Inflammation
- Pink Eye
- Pain
- Infections
- Skin conditions
- Gas
- Wounds
- Inflammation
- Burns
- Itching/Scaling
- Bites
- Fungus
- Sores
- Mouth Diseases
- Bones
- Water Purification
- Chafing
- Colds/Flus
- Digestive ailments
- Disinfection of Surroundings
- Lung/Breathing Issues

## IS STRUCTURED SILVER SAFE?

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Silver is very safe as it is a naturally existing non-toxic, even at moderately high levels. Good silver hydrosols are produced in extremely low parts per million (5-40 ppm); as a result, there isn't even potential for it to pose a health threat.

## WHAT IS THE DIFFERENCE BETWEEN THE SILVER LIQUID & THE GEL?

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Both the liquid and the gel are made from pure elemental silver permanently dispersed in a 30 ppm hydrosol. The gel also has aloe. Most people have their animals ingest the liquid, and apply the gel topically. However, the liquid and gel can be used interchangeably by personal

preference. For example, some people will spray liquid on a wound others may apply the gel. Some people may spray the liquid on a mouth sore others may place the gel directly on the gums. The main advantage of the gel is that it is designed to stay in places where the liquid may not stay as easily. It's important to keep silver in contact for at least 6 minutes for best effect. The main advantage of the liquid is that it's easy to add to drinking water and easy to spray. A good rule of thumb is to use silver in a way that's easy and effective for you and your animal—in a way that will keep the silver in contact for at least 6 minutes.

## SHOULD I USE SILVER EVERY DAY WITH MY PETS OR ONLY WHEN THEY'RE SICK?

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Silver can be used safely as a daily maintenance to help keep your animals healthy and prevent disease. Silver kills bacteria, viruses and mold, and since our pets are out exploring the world and we never know when our pets will encounter these dangers, it's wise to have them taking silver daily. The maintenance dosage for most animals is minimal (see below). The dosage is usually increased during times of greater need. Depending on the health issue, the dosage could be increased as much as 4-10 times the daily amount to quickly address a health threat. In severe cases, animals have successfully taken these larger doses daily for up to two weeks. If using the gel, it can be applied to affected area several times daily. Remember, silver is very safe and dosages can readily be adapted to the needs of the individual animal.

## HOW MUCH SILVER SHOULD I GIVE TO MY PETS?

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It depends. Because our animals come in all shapes and sizes, the amount of silver we give them will also vary. The serving size varies with animal weight roughly according to this schedule:

<15 pounds = 1/2 tsp twice daily

75 pounds = 1 tsp twice daily

150 pounds = 2 tsps twice daily

If you're unsure about how much silver to use, start according to the table above, and adjust as necessary. Don't worry, because silver is so safe you can't go wrong. Over time you'll become familiar with what dosage works best for your pets.

## WHEN IS THE BEST TIME OF DAY TO ADMINISTER SILVER? IS IT BEST TO GIVE IT WITH FOOD OR ON AN EMPTY STOMACH?

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Give your animals silver at a convenient, regular time when you will not forget to dispense it. For daily prevention, most people give their animals silver twice daily. While taking the silver with food won't cause any problems, salt can neutralize the effects of silver, so if at all possible give your animals silver on an empty stomach for optimal results.

## ARE THERE ANY CONTRAINDICATIONS FOR USING SILVER WITH OTHER MEDICATIONS?

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Beyond the "don't take it with salt" rule, there are no contraindications. If you are worried or concerned about possible problems, give your pet silver one hour before or after you give other medications.

## WHAT ARE THE SIDE EFFECTS OF USING SILVER?

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No animals we are aware of have ever had any negative side effects with silver. Remember, silver is a naturally occurring element, and your pets already have trace amounts of silver in their bodies!

## DOES SILVER REQUIRE REFRIGERATION OR ANY SPECIAL STORAGE? HOW LONG CAN I STORE IT?

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Structured silver can be stored for more than 2 years. It does not require refrigeration. For best results keep it out of direct sunlight and in a cool place.

## HAS SILVER BEEN USED FOR ITS HEALTH BENEFITS FOR LONG? OR IS THIS A RECENT FIND?

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Silver has been used as medicine and a preservative by many cultures throughout history, for at least a thousand years. Greeks used silver vessels for water purification. Pioneers trekking across the West used it to keep their water safe and prevent dysentery, colds, and flu. They actually put silver dollars in their milk containers and wooden water casks to retard the growth of bacteria. Settlers in the Australian outback suspend silverware in their water tanks to retard spoilage. Medicinal silver compounds using its germicidal properties were first developed in the late 1800s; the use of silver compounds and colloids was widespread by 1930. In 1940 there were approximately 48 different silver compounds being marketed to treat virtually every infectious disease known to man and animal alike. These were available in oral, injectable, and topical forms. Since 1973, silver has been shown to have topical activity against 22 bacterial species (643 isolates) including gram-positive and gram-negative bacteria. Nowadays, silver is used in a wide range of applications from water purification filters used in Switzerland and international airliners to some swimming pools.

## WHAT SCIENTIFIC RESEARCH EXISTS TO BACK UP THE HEALTH BENEFIT CLAIMS?

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Over 180 scientific studies conducted at independent facilities like universities, hospitals, research institutions and nursing homes have been published in medical journals, newsletters and textbooks. Most of this research is widely available.

## HOW DOES SILVER SUPPORT IMMUNE FUNCTION?

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Silver benefits the immune system directly by moderately improving the number of immune cells that are capable of surveying for disease and destroying foreign pathogens. Silver benefits the immune system



indirectly by killing the bacteria and viruses that cause disease, thus reducing the workload from an already overworked immune system and allowing the immune system to refocus its energies and recharge.

## IF SILVER IS SO GREAT, WHY HASN'T MY VET HEARD OF IT?

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Many veterinarians have heard of silver but may just not be aware of its efficacy with animals. Another reason may be that silver preparations compete too closely with the higher-dollar antibiotic market. So although it is safer, more effective and cheaper, silver will most likely never get the backing of most veterinarians. Look for a veterinarian who is current on literature and natural healing alternatives.

## HOW CAN I KEEP THE GEL ON MY PET WITHOUT HER LICKING IT OFF?

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Gel can be reapplied. If your pet is removing the gel and reapplication becomes too onerous, you can place a bandage over the area, you can apply a cone, or try to time application for when the pet is sleeping. Another method may be to use the liquid in a spray bottle and mist the affected area periodically. The application of liquid is less irritating to sensitive pets. Remember, because it is so safe you can apply (or reapply) silver as often as needed, and it won't hurt your pet to lick it off—it'll simply help kill bacteria in the mouth!

## CAN MY PET 'OVERDOSE' ON SILVER?

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Because structured silver is suspended at such a low part per million, it is extremely unlikely that any amount of silver you give your pets will be detrimental. If you're using silver that has been poorly manufactured, or is homemade, you may have cause for concern. Generally a pH balanced structured silver that is manufactured under current Good Manufacturing Practices is the best kind to use.

# ADDITIONAL INFORMATION

## Wound Protocols For Silver Liquid and Gel In Animals; General Suggestions by Dr. Gordon Pedersen

In general, silver liquid is used for prevention and treatment of minor wounds by drinking two teaspoons twice a day and applying the gel on the affected wound area, to the hands, and in nostrils twice a day.

Infected wounds benefit from silver liquid as well. Take two tablespoons twice a day and apply the gel to the affected wound area, the hands, and nostrils twice a day.

In serious wounds, burns, infections, and surgical injuries where there is significant tissue damage, the liquid is swallowed 4 oz to 8 oz a day (in divided doses). The gel is applied to the wound and surrounding areas twice a day or as needed 1-10 times a day.

Silver gel and liquid can be used in every orifice of the body. The ears may get clogged with the gel.

Silver liquid and gel can be used in combination with antibiotics. However, it is wise to take the silver one- hour separate from the prescription drugs.

Silver does not kill all the healthy probiotic bacteria in the gut, nor does it cause bacterial resistance. For this and other reasons pH balanced silver can be used every day, for long periods of time, even if given in large doses for serious infections.

Be sure to adjust dosage based on the weight of the animal (see chart above).

# MRSA AND SERIOUS WOUND INFECTIONS

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## CAUSES

These bacteria are resistant to antibiotics and can consume healthy tissue including the skin, lungs, and vital organs. These infections can last for years or cause death in a day.

## FOR MINOR MRSA WOUNDS

Drink suggested amount of liquid per day. Wash wound with liquid once a day or as needed. Apply silver gel 2-3 times a day until wound is healed and then for another 60 days to minimize scarring. Remember to use gel on hands and in nostrils to prevent systemic infections.

## FOR SERIOUS MRSA WOUNDS

Drink double the suggested dose per day (in divided doses, for 2 - 6 weeks or as needed). Apply gel twice daily or as needed up to ten times a day topically (for as long as needed to heal the wound then apply gel once a day for 60 days to minimize scarring).

## SURGICAL DEBRIDEMENT

Clean wound and apply gel, with radical surgical excision often necessary. Hyperbaric oxygen therapy has been used empirically and can be used in conjunction with the administration of antibiotics, silver and surgical debridement.

## DRUG TREATMENTS

Penicillin as prescribed by veterinarian (other agents may include tetracycline, clindamycin, metronidazole, chloramphenicol, ceftoxitin). Silver liquid and or gel can be combined with antibiotic therapy resulting in synergistic benefits.

## WHAT YOU CAN EXPECT

Wounds to heal three times faster than if they did not receive silver. Research shows this is due to the fact that there is less infection, inflammation and improved activation of stem cells.

## POST-SURGICAL WOUNDS

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### CAUSES

After Surgery, injury or trauma that requires sutures or wound treatment.

### SILVER PROTOCOL

Drink 2 teaspoons of liquid twice a day until wound heals. Apply gel twice daily to wound for one month after total healing to minimize scarring. Remember to use gel on hands and in nostrils twice a day or as needed to prevent systemic infections.

### DRUG TREATMENTS

Use antibiotics as needed to prevent infection with options of anti-inflammatory and pain killing prescriptions.

## WHAT YOU CAN EXPECT

The average wound should heal two to three times faster than the same wound would take to heal if there were no silver (as measured by time to wound closure, inflammation and infection). It is possible that you should expect to see noticeable benefits to the wound within the first day with measurable effects within one week (65% healed) and total healing in the most serious MRSA wounds within 5 weeks. Minor wounds, cuts bites and other lacerations should heal three times faster.

## OPEN WOUNDS

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### CAUSES

Trauma, Injuries, compound fractures, rashes, infections, skin tears and skin ulcers.

### SILVER PROTOCOL

Drink suggested amount of liquid silver twice a day until wound heals. Apply gel to clean wound 1-3 times a day until wound completely heals, and then for one additional month to minimize scarring. Remember to use gel on hands and in nostrils to prevent systemic infections.

### DRUG TREATMENTS

Use antibiotics as needed to prevent infection with options of anti-inflammatory and pain killing prescriptions.

## MINOR WOUNDS, CUTS, LACERATIONS, SCRATCHES, ABRASIONS

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### CAUSES

Injuries, trauma, infections, surgery, bacteria, yeast.

### SILVER PROTOCOL

Drink suggested amount of silver twice a day until wound heals. Apply silver gel to clean wound 1-3 times a day until wound completely heals, and then for one additional month to minimize scarring. Remember to use gel on hands and in nostrils to prevent systemic infections.

## DRUG TREATMENTS

Use antibiotics as needed to prevent infection with options of anti-inflammatory and pain killing prescriptions.

## WHAT YOU CAN EXPECT

Wounds generally heal two to three times faster than a similar wound not receiving silver. You can expect mild and moderate pain relief within 10 minutes of application of the gel.

## BITES

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### CAUSES

Cat, dog and other animal on animal bites are polymicrobial, meaning they have numerous types of bacteria causing infection. Pasturella species are the most common cause of dog and cat bite infections, with others being staphylococcus, streptococcus, neisseria. The reason a bite is so serious is because there is almost always a combination of pathogens. Antibiotics are effective on a narrow range of germs, while pH balanced silver can destroy almost all the different pathogens.

### SILVER PROTOCOL

Have your pet drink the suggested amount of liquid silver twice a day. Continue for two weeks after total healing of the wound. If a serious infection occurs drink suggested amount per day (in divided doses) until healed, and 30 days after total healing has occurred to minimize scarring. Wash wound area with liquid and apply gel twice a day for two weeks after total healing of the wound. Silver gel could be applied to the wound including the sutures and surrounding area.

## DRUG TREATMENT FOR BITES THAT NEED A PREVENTIVE ANTIBIOTIC

Use the following in combination with Silver liquid and gel: for cat bites take dicloxacillin, 0.5 g orally four times a day for 3-5 days. This is a narrow spectrum of activity and recommend using a broader spectrum antibiotic like: cefuroxime, amoxicillin-clavulanic acid for prevention.

## FOR USE IN INFECTED WOUNDS

Use the following antibiotics in combination with silver gel and liquid: in general pasteurella can be treated with penicillin or a tetracycline. Other more serious infections require second and third generation cephalosporins, fluoroquinolones or azithromycin and clarithromycin. Response is slow and therapy should be continued for at least 2-3 weeks. Human bites frequently require intravenous therapy with a beta lactam plus beta lactamase inhibitor (unasyn, timentin, zosyn). And a second generation cephalosporin with anaerobic activity (cefoxitin, cefotetan, cefetazole).

## BURN INJURIES

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### CAUSES

Heat, electrical, chemical, radiation etc.

### SILVER PROTOCOL

Drink suggested amount of liquid silver twice a day for minor burns (5 days) and apply gel twice a day or as needed. For more serious wounds drink suggested amount per day (in divided doses) and apply gel 2-4 times a day. This should be applied for one month after the wound heals to minimize scarring. Another option is to apply silver gel to the bandage then place the silver gel on the wound, this will help keep it from being disturbed and reduce scarring and pain. It is possible to spray the gel or liquid on the wound, spraying twice a day until

wound heals. Remember to use gel on hands and in nostrils to prevent systemic infections.

## DRUG TREATMENTS

Antibiotics and IV fluids can be prescribed in combination with liquid or gel, if necessary, to prevent and treat dehydration, pseudomonas and MRSA.

## WHAT YOU CAN EXPECT

You can expect to reduce or eliminate infections, inflammation and promote stem cell activity. Burns heal faster than without silver, and you can expect reduction of minor and moderate pain within ten minutes of application. Structured silver should be used once daily for two months after the wound has healed to prevent abnormally large or striated scars. By doing this you should expect to have scars half the size of similar type wounds not being treated with pH balanced silver.

## CLOSTRIDIAL MYONECROSIS (GAS GANGRENE)

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### CAUSES

Gangrene is caused by any of several clostridia: Clostridium perfringens, Clostridia ramosum, Clostridium bifermentans, Clostridium histolyticum, Clostridium novyi etc.

### SILVER PROTOCOL

Drink suggested amount of liquid silver per day. Wash wound with liquid silver once a day. Apply gel 2-3 times a day until wound is healed and then for another 60 days. Remember to use gel on hands and in nostrils to prevent systemic infections.



## SURGICAL DEBRIDEMENT

Hyperbaric oxygen therapy has been used empirically and can be used in conjunction with administration of antibiotic and surgical debridement.

## DRUG TREATMENTS

Penicillin, 2 million units every 3 hours intravenously (other agents may include tetracycline, clindamycin, metronidazole, chloramphenicol, ceftoxitin). Silver liquid can be combined with antibiotic therapy resulting in synergistic benefits (SOHO, 2006).

## WHAT YOU CAN EXPECT

Reduction of infection is noticeable within twelve hours, with significant wound healing in one to three weeks. You can expect a reduced scar (50%) if you continue to apply the gel for two months after wound is healed.

## TETANUS

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### CAUSES

Tetanus is caused by the neurotoxin tetanospasmin (*Clostridium tetani*). Spores of this organism are ubiquitous in soil and may germinate in a wound. Tetanospasmin interferes with neurotransmitters function at spinal synapses of inhibitory neurons, resulting in uncontrolled muscle spasms.

### SILVER PROTOCOL

Drink recommended amount of liquid silver per day. Wash wound with liquid once a day. Apply gel 2-3 times a day. Continue until wound is healed (about 2 weeks). Remember to use gel on hands and in nostrils to prevent systemic infections.

## DRUG TREATMENTS

Prevention with vaccination is advised. Tetanus immune globulin 5000 units administered intramuscularly combined with bed rest (under the quietest conditions possible). Options include sedation and mechanical ventilation if required.

## WHAT YOU CAN EXPECT

Helps with the drugs to promote synergistic healing. Each wound is different so healing times will differ, but synergism with drugs and silver produce wound healing results quicker than individual treatments.