

# Silver

Dear Health Enthusiast,



By Patti Keplinger RN BSN and Chris Ritchason

Antibiotic Resistant Bacteria are showing up in the most inopportune places. From schools being closed due to and MRSA outbreak to the locker room, no one is exempt from potential exposure to this possible deadly pathogen.

This past season, there was an MRSA outbreak on the football team of which two of my teen-age boys were members. Not only did the players have to receive the appropriate medical attention in order to play, the coaching staff and the administration of the school had to develop a plan to better sanitize the equipment.

This situation would have been a lot less complicated if I would have had the knowledge of the Silver Shield that I do today thanks to Dr. Pedersen, NSP and the great staff at Sound Concepts.

While in the emergency room with one of my children recently, there were signs posted that stated “Just because it looks like a spider bite, don’t just assume it is unless you saw the spider!” The sign continued to state that an MRSA skin infection can mimic that of a spider bite so it needed to be treated correctly as it could become deadly. Enter Silver Shield Gel...

### **Silver Shield Gel...**

Use as a replacement for hand sanitizer, facial astringent, and much, much more...Each day we are receiving amazing stories of new uses for the Silver Shield Gel. It is an amazing product with a vast array of potential applications. At our house, the silver gel is not only in the kitchen and bathrooms, it is also in my children’s gym bags, my first aid kit...not to mention my purse and the man of the house’s lunch box! (I think it is time that NSP came out with this in a gallon container, what is your opinion?!?!?)

Do you have a container of hand sanitizer on your desk or kitchen counter? If so, it would be better for your health to switch to using NSP’s new silver hand gel called Silver Shield. This product contains NO HARMFUL CHEMICALS as well as it does not allow harmful bacteria to mutate against it which then in turn would cause them to become resistant to the Silver Shield.

According to a Surgeon’s Scrub Test that was performed in 2005, Silver Sol eliminates 100% of microbes for 4 (four) hours after application to hands. If Silver Sol (the same as our Silver Shield) can do this...can you imagine what else it is capable of?

### **BRAND NEW PATENT means BRAND NEW TECHNOLOGY Claims found in United States Patent # 7135195, November 2006**

Silver Sol can be used as an internal and external disinfectant because it passes through the body unchanged, so it produces no dangerous metabolites and is cleared 99% by the next day. [It] destroys Bacteria, Viruses, Fungus, and other significant diseases including 43 bacteria. [In addition it,] destroys MRSA, SARS, Malaria, Anthrax, gram negative bacteria, gram positive bacteria, viruses including Hepatitis C, AIDS, and Influenza. (1)

“No organism was found to be resistant to the Silver Sol.”  
Current Science

“For the past sixty years, antibiotic drugs have turned bacterial infections into treatable conditions rather than life-threatening scourges they once were. Today, however, the effectiveness of many antibiotics is waning dramatically, as more and more types of bacteria become resistant to them...(2).”

According to Environmental Defense, “no comprehensive tally of the human impacts of antibiotic resistance is available, but they are clearly substantial.” They continue that “...the rate at which antibiotic resistance is worsening far exceeds the rate at which new drugs are being discovered and brought to market (3).”

“It [MRSA] is a major problem primarily related to health care but no longer confined to intensive care units, acute care hospitals, or any health care institution.”

JAMA

**Journal American Medical Association**

October 17, 2007, Vol. 298, No. 15

Prevalence of *S. aureus* and MRSA

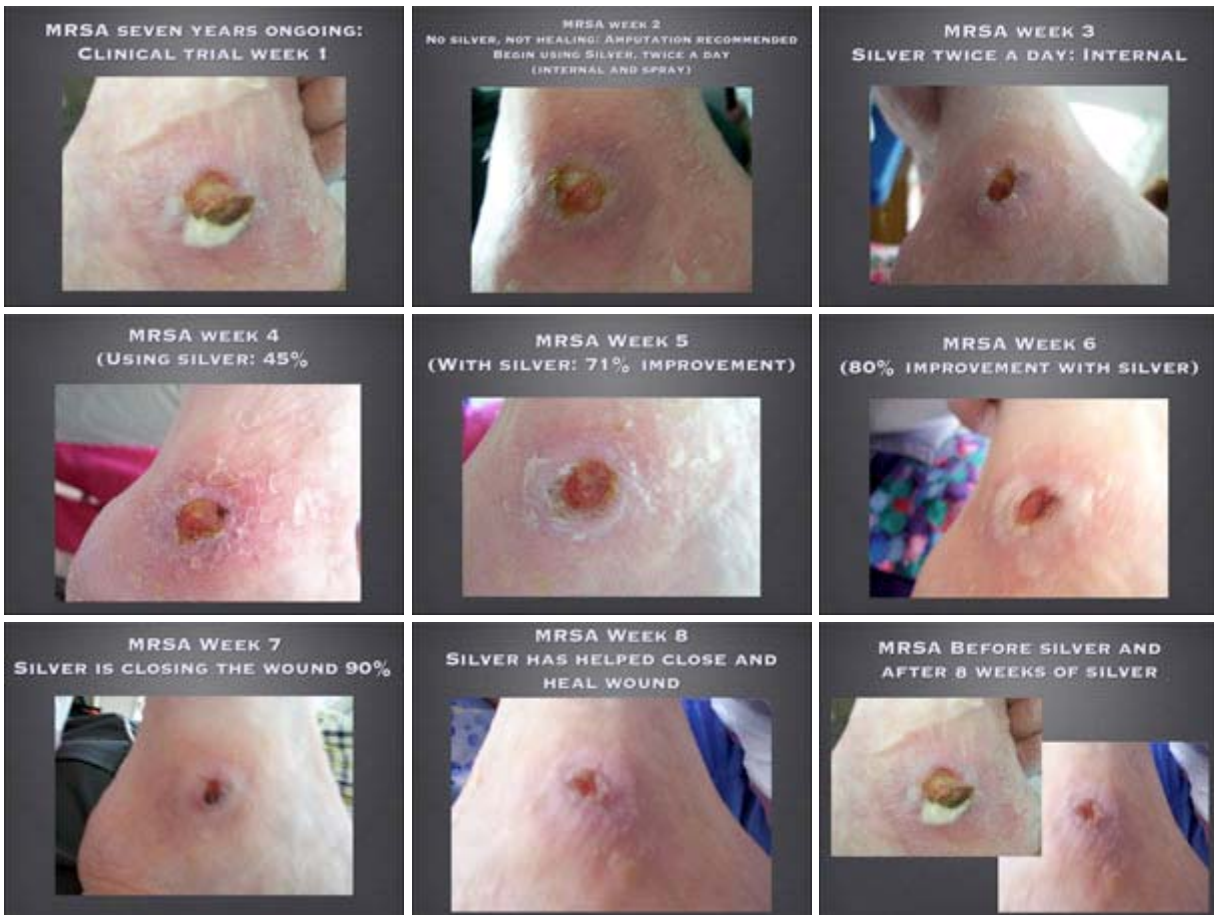
Excerpts from Centers for Disease Control and Prevention Surveillance Summary 2007 (4)

**In hospitals**

In hospitalized patients, MRSA has been a problem since the 1960's...The proportion of healthcare-associated staphylococcal infections that are due to MRSA has been increasing: 2% of *S. aureus* infections in U.S. intensive-care units were MRSA in 1974, 22% in 1995, and 64% in 2004. In addition, there are an estimated 292,000 hospitalizations with a diagnosis of *S. aureus* infection annually in U.S. hospitals. Of these approximately 126,000 hospitalizations are related to MRSA.

**Skin and Soft Tissue Infections**

Each year from 2001 through 2003 there were an estimated 12 million outpatient (i.e., physician offices, emergency and outpatient departments) healthcare visits for suspected *S. aureus* skin and soft tissue infections in the United States. In 2004, approximately 76% of purulent (i.e., containing pus) skin and soft tissue infections (SSTIs) in adults seen in 11 emergency departments were caused by *S. aureus*. Of these infections 78% were caused by MRSA and overall MRSA caused 59% of SSTIs.



## **Invasive Infections**

Invasive (i.e., serious) MRSA infections occur in approximately 94,000 persons each year and are associated with approximately 19,000 deaths. Of these infections, about 86% are healthcare-associated and 14% are community-associated.

## **Why Silver Shield?**

The use of silver preparations for medicinal purposes dates back thousands of years. But, Silver Sol, the newest patented and clinically proven silver preparation, is sending what are most generally considered “Super Bugs” to an early grave.

It is imperative to note that the NSP product called “Silver Shield” is produced from this type of technology. Silver Shield is labeled stating that it is produced with Aqua Sol Technology which is the same as Silver Sol.

Q. Is Silver Sol different from other silver preparations currently on the market?

A: According to Dr. Pedersen, “In order to get a new patent approved, the US Patent Office requires proof of a new entity and new technology, and unique benefit unlike any other. This new Silver Sol proved to the US Patent office that it is a brand new technology being produced by 10,000 volts Alternating Current and resonating at 910 terahertz, and having a pure silver core that is missing two electrons in its outer shell.”

Q: Is Silver Sol safe for human consumption?

A: The Merck Index (Silver 1:645, 1999) reports that silver “...is a metal that does not accumulate in the fats and is the only metal that is not considered to be a heavy metal because it does not produce heavy metal poisoning. In addition, according to the EPA report and guidelines #D011, silver “is safe and non-toxic (it would take a spill of over 12 million gallons to be considered a reportable spill).”

## **Silver Sol helps ANTIBIOTICS WORK EVEN BETTER!**

According to an article entitled “Bacterial activity of combination of Silver-Water Dispersion with 19 antibiotics against seven microbial strains” published in Current Science, Silver Sol displayed synergism when tested in combination with 19 different antibiotics. According to Dr. Pedersen, “out of 96 tests, 89 produced an additive effect demonstrating a reversal of antibiotic resistance in all categories of antibiotics tested. Some antibiotics demonstrated as much as a ten fold increase in efficacy due to the broad spectrum abilities of Silver Sol which kills a wide variety of bacteria, viruses and mold.” Current Science also states that it should be noted that no organism was found to be resistant to the Silver Sol (5).”

In short, this statement suggests that the use of Silver Sol alone, or in conjunction with the prescribed antibiotics, could be the answer for the epidemic of antibiotic resistance facing Americans today.

From the computer keyboards that are used almost everywhere, to the shopping carts at the grocery store, no one is exempt from the exposure to these unwanted pathogens. The use of Silver Sol, via one or several of three separate delivery systems: liquid, topical gel, and aerosolized, might just be the “magic bullet” to kick antibiotic resistance once and for all!

In a 2007 letter to the office of homeland security, Former Surgeon General of the Air Force P.K. Carlton MD wrote the following about Silver Sol:

“I feel it can be used in the area of bio-defense from bio-terrorism to infectious diseases such as SARS. The Anti-microbial has undergone rigorous testing and has been found to kill Anthrax, Bubonic Plaque, Hospital Staph and SARS. It is the first new antimicrobial for the hospital in many years. In addition it is non-toxic to humans, EPA approved (Hospital Staph and Bubonic Plaque) and currently Sec 18 approval. The Solution has shown to be a wide spectrum anti-microbial/bio-contaminant that can be used to increase the safety and functionality of healthcare facilities in the even of bio-terror attack or infectious disease outbreak such as SARS. In short, we currently do not have anything with such a wide spectrum of efficacy in our inventory. As such I recommend that the anti-microbial be evaluated for addition to the National Push-back stockpile. It will make our nation a safer place to live and work.”

### Scientific Validation

1. A silver-impregnated antimicrobial dressing reduces hospital costs for pediatric burn patients. Paddock HN, et al. *J Pediatr Surg*. 2007 Jan; 42(1): 211-3.
2. Antibacterial efficacy of a colloidal silver complex. Bretana L, et al. *Surg Forum*. 1966; 17:76-8.
3. Antibacterial nanosized silver substituted hydroxapatite: synthesis and characterization. Rameshbabu N, et al. *J Biomed Mater Res A*. 2007 Mar 1; 80(3): 581-91.
4. Antibacterial properties of Ag nanoparticle loaded multilayers and formation of magnetically directed antibacterial microparticles. Lee D, et al. *Lanfmuir* 2005 Oct 11; 21(21):9651-9.
5. Antimicrobial and barrier effects of silver against methicillin-resistant *Staphylococcus aureus*. Edwards-Jones V. *J Wound Care*. 2006 Jul; 15(7): 285-90.
6. Antimicrobial effects of silver nanoparticles. Kim JS, et al. *Nanomedicine*. 2007 Mar; 3(1): 95-101.
7. Construction of antibacterial multilayer films containing nanosilver via layer-by-layer assembly of heparin and chitosan-silver ions complex. Fu J, et al. *J Biomed Mater Res A*. 2006 Dec 1; 79(3): 665-74.
8. Cost-effective faster wound healing with a sustained silver-releasing foam dressing in delayed healing leg ulcers-a health-economic analysis. Acanlon E, et al. *Int Wound J*. 2005 Jun; 2(2): 150-60.
9. Effects of Nanocrystalline Silver (NPI 32101) in Rat Model of Ulcerative Colitis. Bhol KC, et al. *Dig Dis Sci*. 2007 Apr 12; [Epub ahead of print]
10. Proteomic analysis of the mode of antibacterial action of silver nanoparticles. Lok CN, et al. *J Proteome Res*. 2006 Apr; 5(4): 916-24.
11. Randomized clinical trial of Hydrofiberdressing with silver versus povidone-iodine gauze in the management of open surgical and traumatic wounds. Jurczak F, et al. *Int Wound J*. 2007 Mar; 4(1): 66-76.
12. Short-term indwelling catheters ( a systematic review): evidence for a primary nursing decision. Brosnahan JE, et al. *Worldsvie Evid Based Nurs*. 2004; 1(4): 228.

“To date, there are no potentially pathogenic bacteria tested that...[this] product has not killed.”

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