



Free

The New Era of Silver

All that is old is made new again

By Sharon George

B.Ed, B.Nat. N.D.

Adv. Dip. Nutrition

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Adv. Dip. W. Herbal Medicine

Fellow of ANTA

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I ALWAYS RECOMMEND TALKING TO YOUR HEALTH CARE PROFESSIONAL.

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Acknowledgments

I would like to thank the many who have gone before me in their research into this amazing product. Dr. Becker, Dr. Harry Margraf and Jim Powell to name a few, have pioneered modern thinking in a broader acceptance of a product already known for centuries for its many curative properties. To the Australian manufacturer who produced the first ionic silver- my sincere thanks. No more metallic build up in the system of my patients (and it tastes better too).

To the many patients who happily give me their enthusiastic feedback - many thanks for sharing your stories. To everyone at HealthSmart for their assistance with research, editing and printing.

Preamble

The main reason for writing this information booklet is to explain and share what my many years of experience in Natural medicine has uncovered about Colloidal and Ionic Silver preparations.

You will note, however, that a few other products are mentioned.

These products are made using silver ions, but in a synergistically blended form, rendering them powerful alternatives to mainstream medicines in a broad range of applications.

Sharon George

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Practitioner Testimonials

As a qualified practitioner, I am always looking for the best products to recommend to my clients. This new ionic formulation silver is exciting! We all know that ions are smaller than particles - using a unique system, HealthSmart WA have created Liquid Life Ionic Silver which is 100% bio available. That is, the body will be able to absorb all required ions unlike ordinary colloidal silver preparations that contain particles too large for our body cells to assimilate and therefore must be eliminated from the system. I believe this product to be the best value, cleanest and most effective on the market. I will urge my clients to insist on using this 21st century technology and throw away the colloidal silvers of yesteryear.

Ms. Dawn Durbin N.D.,
Dip. Remedial Therapy, Dip. Of Counselling

Part of my professional approach as a Naturopath is to identify clients' exposure to heavy metals and toxins, which could be affecting their health.

I am also very proactive in dispensing supplements that are ionic in nature and form. Hence, when HealthSmart WA ionic silver came onto the market, I have been able to recommend it with confidence. It is clear, tasteless, and odourless. I have also educated clients on the use of ionic colloidal silver for their animals - both farm and domestic. I am impressed with this company's high standards of manufacturing strategies to ensure preservation of the environment. Their approach is truly holistic.

Mavis Carruthers ND

Patients have found relief from staphylococcus, streptococcus, prostate and sinus infection as well as laryngitis and sore throats when treated with ionic silver.

Debra Brammer
ND, Naturopathic Physician
Faculty member Bastyr University Seattle USA

A Brief History...

Much of this information is common knowledge and is disseminated by all proponents of silver, however I think it merits inclusion once again. The healing benefits of silver were known in early Greek and Roman times. Sheets of silver were beaten until very thin, and then wrapped around wounds and injuries. Bodily fluids reacted with the silver and caused an 'ionic exchange', which in turn accelerated the healing process and prevented infection. The ionic form of silver has broad anti-bacterial, anti-fungal properties. By the early 1900's colloidal silver became the choice of many medical practitioners.

In the 1970's Dr. Carl Moyer, chairman of Washington University's Department of Surgery, received a grant to develop a better treatment for burn victims. Dr. Harry Margraf, chief biochemist on the study, worked with Dr. Moyer to find an antiseptic strong enough, yet safe enough for use over large areas of the body.

Dr. Margraf reviewed twenty two antiseptic compounds and concluded that every one of the compounds carried some negative aspect. He noted that many antibiotics were ineffective against a number of harmful bacteria, including the biggest killer in burn cases, a bacterium called *Pseudomonas Acruginose*. Dr. Margraf concluded: "Silver is the best all round germ-fighter we have." [1]

Silver is currently used in major burn centres in the United States, [2]. Many USA hospitals use silver dressings which have been approved by the FDA, [11,12]. Our local pharmacies now sell band aides incorporated with silver ions to accelerate healing.

Larry C. Ford, M.D, of the Department of Obstetrics and Gynaecology, UCLA School of Medicine reported in a letter dated November 1, 1988: "I tested them (the silver solutions) using standard antimicrobial tests for disinfectants. The silver solutions were antibacterial for concentrations of 10' organisms per ml. of *Streptococcus Pyogenes*, *Staphylococcus Aurcus*, *Neisseria Gonorrhoea*, *Gardnerella Vaginalis*, *Salmonella Typhi*, and other enteric pathogens and fungicidal for *Candida Albicans*, *Candida Globata*, and *M. Furfur*." [1,3]

Jim Powell reported in a Science Digest article March, 1978, titled, "Our Mightiest Germ Fighter", "Thanks to eye-opening research, silver is emerging as a wonder of modern medicine. An antibiotic kills perhaps a half-dozen different disease organisms, but silver kills some 650. Moreover, silver is virtually non-toxic." [1,4,6,7]

Science Digest March 1978 "A 65-year-old diabetic cut himself on the leg. He washed and bandaged it but, as often happens with diabetes, the pain persisted, and the cut grew into a sore. Soon it became bigger than the bandage, and he had to apply a dressing. Still, it grew bigger and ugly. In

desperation he went to a clinic. His sore was diagnosed as a ‘stasis ulcer.’ For a 6 years, one treatment after another was tried. Nothing, including penicillin and sulphonamide, could heal the ulcer. If his condition had continued unchecked, his leg probably would have been amputated. But finally he was referred to a clinic that treated skin ulcers with a silver compound. This promptly stopped the growth of all bacteria. In less than two months, the ulcer was completely healed.” [8]

“What we actually have done is rediscover that silver kills bacteria,” stated Dr. Robert O. Becker, orthopaedic Surgeon, retired Prof. of Medicine at Upstate Medical Center, Syracuse, [5]. Dr. Hirschberg, John Hopkins: “(silver colloids are)...remarkable for their beneficial action in infective states”. [6]

In Health Consciousness, Vol. 15, No. 4, Pg. 5: The former USSR used a silver system to sterilise recycled water aboard the space stations. NASA selected a silver water system for the space shuttle. Many of the world’s airlines use silver water filters to protect passengers from diseases such as dysentery. Silver has been effectively used as a replacement for chlorine in swimming pool water because it is as effective as chlorine but does not sting the eyes, is more stable and people with sensitive skin issues do not react, [6].

What is a Colloid?

Silver colloids are metallic silver particles that are not dissolved in solution (water), are not floating to the top or sinking to the bottom - rather, they ‘hang’ suspended in the water. A perfect colloid would have no ions and would thus have very low bioactivity, as it is the silver ion that provide the ‘killing’ power - not silver particles, [13].

Ionic Silver is dissolved in solution, (water),not just suspended as with colloidal silver and therefore can not drop out of solution, [13].

What is an Ion?

An ion is an atom or a group of atoms that carry a positive or negative electrical charge, [19].

How Does Ionic Silver ‘Kill’ the pathogens?

Ionic Silver is composed of silver ions that carry a positive electrical charge making it naturally attracted to negatively charged pathogens. This causes an ionic exchange; altering the molecular structure of the bacteria, virus or fungus, resulting in the simultaneous deactivation of cell wall synthesis, membrane transport, alterations in RNA and DNA synthesis. Translation, and

protein folding and function are also impacted. Without these functions, the micro-organism is disabled; it cannot reproduce and is eliminated naturally (skin, kidneys, liver) from the body. [13,19]

Unlike non selective Colloidal Silver preparations, Ionic Silver is selective, resulting in anti microbial activity against anaerobic (bad) bacteria, fungi and yeasts, not aerobic (friendly) flora in the Gastro Intestinal Tract. [19]

Parts Per Million and Particle Size

Liquid Life Ionic Silver ions are 0.23 of a nanometre, permitting it to pass through cell membranes whereas colloids are too large to penetrate. Research indicates that concentrations of 5-7 parts per million (PPM) of ionic silver to be extremely effective, [15, 16]. Liquid Life Ionic Silver contains 16 - 20ppm of pure ionic silver.

Note:

When manufacturing colloidal or ionic silver, steamed distilled water should always be used. Manufacturers often use other forms of water, such as:

- Pure water - is filtered tap water
- Spring or Living water is filtered bore water which are inferior in levels of 'purity'

Test for Quality

To check if a silver product has been manufactured using low voltage, and hence low in ion content, half fill a white china cup and observe the colour. If it has a slight greyish tint, or any colour at all except for crystal clear, it is an inferior colloidal product. If it appears clear, to further test it, place the cup in to direct sunlight and observe if the contents darken. Silver colloids are unstable and will clump together darkening the solution, where as silver ions cannot clump together and therefore the solution remains clear.

Multi Drug Resistant (M.D.R.)

MDR germs are now at near epidemic proportions through the over use of antibiotics, and are responsible for an ever-growing number of 'untreatable' strains. Silver ions however, are reported to effectively neutralise these pathogens, [9, 10]. There are more than one hundred documented uses of silver for the treatment of various conditions, diseases and pathogens in the British Medical Journal, [7]. Dr. Robert Becker noticed a correlation between low silver levels and sickness such as colds and flu, [5]

Ionic Silver Is Natural

Ionic Silver is non-toxic to mammals, reptiles, plants and all multi-celled life forms, [18].

The manufacturing objective is to produce a silver ion that has like properties of those ions found in natural water and plant sources. This is important because just as there are thousands of nutrients in nature, there are also thousands of reactions that take place within our bodies between these nutrients and harmful substances they might encounter in the body. All nutrients, minerals and vitamins work synergistically in our bodies; it is therefore important to note that ionic silver is not a “cure all”, nor is it a cumulative toxin. Surface waters in Canada generally contain low levels of silver and there have been no reports of chronic silver toxicity to animals, [18].

It is important to note that some bacteria are regarded as resistant to silver: Citrobacter Freundii, Enterobacter Cloacae, Enterobacteriaceae (some strains), Escherichia Coli (some strains), Klebsiella Pneumoniae [20] P.Stutzeri (some strains), Proteus Mirabilis, Vegetative B. Cereus Spores, [7].

Drug Interaction

Some people may be concerned about taking Liquid Life Ionic Silver with prescription drugs. No interactions between Ionic Silver and pharmaceutical medications have been recorded, [9,10].

Argyria

Over the years, concerns that long term ingesting of silver could turn your skin blue/grey - a condition called Argyria - have been raised. Due to the ionic nature of Liquid Life, it is 100% bio available, as it contains no metallic particle. As there is nothing to be eliminated from the body, there is no potential for harmful build up, [14].

FAQ

Q. Is Ionic Silver safe to use during pregnancy and breastfeeding?

A. Yes. Many new Mums experience mastitis. Liquid Life Ionic Silver taken 10ml x 3 daily before food often gives relief from inflammation.

Q. Does Ionic Silver kill both the good and bad gut bacteria?

A. No. - Independent laboratory testing proved that ionic silver had no harmful effect against beneficial gut bacteria (flora-probiotics).

Q. Does it have a bad aftertaste like most colloidal forms of silver?

A. No, it is so mild in taste that it can be taken undiluted.

Q. Is this the only brand that uses this ionic formulation?

A. Yes, Liquid Life Ionic Silver is Australia's only 100% ionic formula.

Customer Feedback

My friend Cameron had been surfing in Sri Lanka for 7 weeks. He got a wound on his shin 3 weeks before arriving home. Upon arriving back in Australia his wound was very painful- over the following week it became infected and the wound doubled in size. He spent a week in hospital after several attempts of different antibiotics. He was told he may lose the leg and he was most definitely going to need plastic surgery. I gave Cameron some BodyGuard and Liquid Life Ionic Silver and after 48 hours there was a marked improvement. He no longer needs plastic surgery, and won't be losing his leg. We are both understandably wrapped with the results - thank you.

Regards, Prashanti Vodanovich

Bali Belly

I recently went on holiday for ten days to Bali - the first holiday away in twenty two years, so I was really looking forward to it. My last holiday was to Penang where I had severe Penang Belly. I was younger then and did not know about the fabulous protection ionic silver offered. Whilst in Bali, I ate like locals as well as hotel food, making sure I consumed my daily intake of 100ml of Ionic Silver during the course of any given day. Well I must have been too generous with my portions as I ran out of silver two days prior to leaving Bali. I was booked to go on a tour of the Volcano's and a day trip to the villages when I went down with Bali Belly. I was not going anywhere except maybe the bathroom, I was so disappointed and cross with myself for running out of what I call my magic brew, Ionic Silver. I cannot recommend it more highly, many thanks HealthSmart well done!

Geoff D.

White Tail Spider Bite

My name is Dee, and on a recent holiday to Coral Bay, I sustained a bite by a suspected White Tailed Spider. I was placed on double strength antibiotics for 5 days and after three weeks; even though the bite showed no signs of infection it was still very red.

I visited HealthSmart on the 29th April to purchase some Ionic Silver to take orally because of the antibiotics and to apply to the bite. I was introduced to BodyGuard and started to spray immediately. For the first 2 days, I sprayed the bite every hour and until 11th, I was spraying approximately every couple of hours. The bite is now almost gone. I also continued to take Ionic Silver orally. I am ecstatic with the results - no more antibiotics and no scarring!

Dee B. - Warnbro, Western Australia

Keratoacanthoma

I would like to thank HealthSmart and a friend who gave me some Silver to try on a lesion on my face. I had a red mark come up on my face and after about 4 weeks it started to grow and the centre turned white & hard and was getting itchy. The doctor told me it was a Keratoacanthoma and that he believed it was not a nasty type but it would take about 3-4 months to go away after erupting out like a volcano. He gave me antibiotics to help with the inflammation but they did nothing at all. I started putting some Silver on it day and night and after only one day it started to dry out, after 1 week it has totally dried up and fallen off leaving a very small red mark which is starting to disappear. Thank you VERY MUCH for a wonderful product - I am telling everyone about it.

Marg S. - Mildura, Victoria

Eye Cyst/Post Operative Infection

My dog, a Shitzu, developed a corneal cyst in her eye. After two courses of antibiotics and eye drops and cream from the Vet, the eye was still not clearing. The Vet wanted to try a third course of antibiotics, then a friend told me about Liquid Life Ionic Silver. I started her on 20ml twice a day in conjunction with spraying BodyGuard into her eyes. Within two weeks, the eye was clear and a visit to the Vet confirmed that the cyst had completely gone. She also had an infected scar line - the result of an emergency hysterectomy after having pups. The BodyGuard cleared up the scar line within a week and the infection cleared as well.

I now regularly use the silver to wash her eyes and keep them clear as these small dogs are prone to eye problems.

S.B. - Warnbro, Western Australia

Ear Infection

Having found in the past that antibiotics did not work on my ear infections I tried BodyGuard sprayed directly in to the affected ear four times a day. Much crackling and noise was to be heard. My ear infection was gone in a few days. I

also ear candled at the end of the infection.

S.G. - Waikiki, Western Australia

Testimonial for BodyGuard and Liquid Life Ionic Silver

Unfortunately, my 18-month-old son contracted the coxsackey virus which is Hand Foot and Mouth Disease, where the patient experiences extremely painful blisters on their nappy line, legs hands and inside their mouth. The worse day was the second and I used the BodyGuard to spray on the areas visible to me as often as I changed his nappy and then some! That night I bathed him in a bath with 200ml diluted Liquid Life Ionic Silver with other essential oils and by the next day I was surprised that the spots looked less aggressive although there were more, they were not as inflamed but they had started to go into blisters. The healing process I found was quicker by using the Body Guard and the Ionic Silver and although he cannot talk quite yet, he seemed to get some relief from the products.

P.Z., Therapist and Mother - Yangebup, Western Australia

Seaside Pets

My name is Anne Mander and I am the owner of Seaside Pets. My staff and I use Liquid Life Ionic Silver with the pets. We have found it very effective clearing up eye infections in our kittens. We regularly spray our birds with it and add it to their drinking water. We have also been successful using it on our rabbits and guinea pigs.

When handling seed, dust can be a problem. We find that using the spray prevents infection and stops our skin and eyes from becoming sore and dry.

1/5 Leach Crescent, Rockingham, Western Australia

Radical Reptiles

I have been testing Liquid Life Ionic Silver and BodyGuard for many years at Reptile Traders on Frogs, Turtles, Bearded Dragons, Bobtails, Bluetongues, Monitors, Geckos and Pythons.

I use Liquid Life Ionic Silver in all drinking water for the reptiles to assist treating worms and parasites. As this is a natural product, the chance of adverse effects is minimal. I have also found that the silver helps keep the water fresh. I use a combination of Liquid Life Ionic Silver and BodyGuard with the Frogs. I add silver to the drink water, and clean and spray the inside of the tanks with BodyGuard By doing this, I reduce the chances of fungal infection and bacteria build-up. It helps control the usual odours.

I have treated a Bearded Dragon with a suspected parasite infection of the brain; it showed symptoms of twisting its neck, losing balance, trying to do back flips and shaking and was off its food. I had seen similar symptoms in a chicken. I isolated the dragon and immediately commenced treatment with Liquid Life Ionic Silver. I substituted all drinking water with undiluted silver, giving the dragon as much as it could drink 3 times a day; within a week, I noticed a marked improvement. I was also supplementing his diet with vitamins and minerals.

Within two weeks, the symptoms had subsided and the dragon was feeding for itself. I continued to substitute his water intake with Liquid Life Ionic Silver. After one month, the dragon no longer exhibited any symptoms. I later found that the dragon was suffering from an ear parasite, I have since successfully treated two more dragons and on both occasions, a single dose produced a marked improvement after only 2 days and a complete cure within 1 week.

I use BodyGuard instead of Betadine for treating wounds on all of our Reptiles and am astounded at the results I continually achieve.

I now recommend Liquid Life Ionic Silver and BodyGuard to all my customers as a preferred alternative to some of the harsh alternatives used as antibacterial agents - both products are great for use as all-purpose cure all.

*Karen Purt
Radical Reptiles
radicalreptiles@iinet.net.au*

Skin Problems - Cats

My two cats have for many years had a skin condition. I have taken my cats to the vet and various treatments have been tried with little success. I sprayed the cats with BodyGuard which worked wonderfully with only one drawback, the cats were not amused!

I then tried the Ionic Silver in the water bowl and to my delight and my cats' relief their problems were solved!

B.G. - Waikiki, Western Australia

How to take Ionic Silver

Ionic Silver can be taken orally, applied topically, gargled or nebulised. When taking Ionic Silver orally, drink 6-8 glasses of filtered water daily to help flush out the infective agent.

Take on an empty stomach, ½ hour before food, or one hour after a light meal, (i.e. tuna & salad), or two hours after a heavy meal, (i.e. steak & chips). Do not dilute Ionic Silver.

Acute conditions

Adults 20-30ml hourly
Children under 12 10-15ml hourly

When condition improves take for a further three days at:

Adults 20ml twice daily
Children under 12 10ml twice daily

As a preventative

Adults 10-20ml twice daily
Children under 12 10ml twice daily

Dogs and Cats

Four hourly in acute conditions

Large dogs, over 45kg 30ml
Dogs 20 to 40kg 20ml
Dogs 5 to 20kg 15ml
Small dogs and cats up to 5kg 10ml
Puppies and kittens 5ml

Can be given to pregnant dogs and cats, (and humans!)

Add to water bowls to sanitise water, help prevent illnesses, kill parasites and treat skin conditions. Ionic Silver Spray can be applied directly to the skin, on open wounds and into the eyes, throat and ears, (unless eardrum perforated) of pets. I also recommend BodyGuard for topical, external use.

I recommend Liquid Life Emu Oil for dogs and cats with arthritis, accompanied by a raw food diet and rice based dry food.

Large dogs, over 45kg 20ml on wet food
Dogs 20 to 40kg 10ml on wet food
Dogs 5 to 20kg 5-10ml on wet food
Small dogs and cats up to 5kg 5ml on wet food

Horses

Very effective in the treatment of Ross River virus and Bahmah Forest virus. Ionic Silver can help prevent parasites, treat wounds and sanitise drinking water. Can be used intravenously.

I recommend Liquid Life Emu Oil for horses with arthritis.

Lizards, Frogs, Turtles, Snakes, Birds, Rabbits, Guinea Pigs and Chickens

Ionic Silver can be used to clean cages, help prevent parasites, treat wounds and sanitise water.

Dressings

For both people and animals a bandage can be soaked in Ionic Silver and then applied to the wound. The dressing should be kept in place with water proof tape or plastic wrap.

References:

- [1] Zane Baranowski, CN: Colloidal Silver: 'The Natural Antibiotic'. Available: <http://www.elixa.com/silver/zaneuse.htm> [Accessed on 30th April, 2009]
- [2] Available: http://www.burnsurgery.org/Modules/silver/section5_b.htm - research articles [Accessed on 30th April, 2009]
- [3] Berger TJ, Spadaro JA, Bierman R, Chapin SE, Becker RO: 'Antifungal properties of electrically generated metallic ions'. *Antimicrob Agents Chemother.* 1976 Nov;10(5):856-60. - fungus
- [4] Feng QL, Wu J, Chen GQ, Cui FZ, Kim TN, Kim JO: 'A mechanistic study of the antibacterial effect of silver ions on *Escherichia coli* and *Staphylococcus aureus*'. *J Biomed Mater Res.* 2000 Dec 15;52(4):662-8.
- [5] Dr. Robert O. Becker, MD: 'Silver Ions & Electromedicine'. Available: <http://www.silvermedicine.org/robertobecker.html> [Accessed on 30th April, 2009]
- [6] Doyle Christine, Clinical Nutritionist: 'What do We Know About Colloidal Silver?' Available: <http://www.silverpuppy.com/drclarknews.html> [Accessed on 30th April, 2009]
- [7] Colloidal Silver "Documented" Medical Journals' Uses Available: <http://www.mts.net/~revive/uses.txt> [accessed on 30th April, 2009]
- [8] Available: <http://www.marpeproducts.com/healthpros.htm> [Accessed 30th April, 2009]
- [9] Slavin, Herbert, M.D: 'Ionic Silver - The Powerful Defense Against Viruses And Other Microbes': *Health Freedom News*, Vol. 24, No. 3 (Summer 2006), p 22+ *Health Freedom News* is a publication of The National Health Federation
- [10] 'University Study Shows Ionic Silver Effective Against SARS; Supports Previous Research Findings on SARS Virus,' *BioPortfolio* by AgION Technologies, June 13, 2005, Available: http://www.bioportfolio.com/june_05/14_06_2005/University_Study_Shows_Ionic.html. [Accessed on 30th April, 2009]
- [11] Department of Orthopedic Surgery, Upstate Medical Center, State University of New York, Syracuse, NY 13210, USA. : *NeuroRehabilitation.* 2002;17(1):23-31.
- [12] 'New Nanotechnology Receives FDA Approval - Setting Stage For New Era In Battle Against Hospital Related Infections'. Available: www.nanotechwire.com, December 12, 2005. [Accessed 30th April, 2009].
- [13] 'Colloidal Silver Generators'. Available: http://tuberoze.com/Colloidal_Silver.html [Accessed on 1st May, 2009]
- [14] 'Ionic / Colloidal Silver, Beck Protocol'. Available: <http://www.sharinghealth.com/beckprotocol/icsilver.html> [Accessed on 1st May, 2009].
- [15] 'How important is particle size'. Available: <http://www.utopiasilver.com/faq/particle-size.htm> [Accessed on 1st May, 2009].
- [16] 'Why Higher PPM Is Not Always Better'. Available: <http://www.thesilveredge.com/ppm.shtml> [Accessed on 1st May, 2009]. <http://www.metabolics.com.au>
- [17] 'Colloidal Silver - Ions, Atoms, Crystals or Salts?' Available: <http://health2us.com/ions.htm> Accessed on 1st May, 2009. Based on the work of George Maass, PhD.
- [18] P. D. Warrington, Ph.D: 'Application of Criteria for Aquatic Life'. Water Quality Branch. Environmental Protection Department. Ministry of Environment, Lands and Parks, (Canada). Available: <http://www.env.gov.bc.ca/wat/wq/BCguidelines/silver/bcsilver-04.htm> [Accessed on 5th May, 2009].
- [19] Gibbins, Bruce, PhD 'The Antimicrobial Benefits of Silver and the Relevance of Microlattice Technology'. *Ostomy Wound Management*, VOLUME: 49, Issue Number: 2A Supp



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Liquid Life Ionic Silver

BodyGuard

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Massage Oil

Birte's Ear Candles

Liquid Life Pure Emu Oil Capsules

Liquid Life Pure Emu Oil

Bush Mate

Men's Liquid Life Aftershave Spritz

Liquid Life Moisturising Spray for Ladies

Neville Joyce Hypnotherapy CD Range

Nature's Garden Skin Care Range

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