

Preliminary US findings show new diabetes-gum disease link

By Judy Siegel

JERUSALEM (April 22) - Preliminary findings in the US have shown that the same immune system mechanism involved in type II diabetes is present also in chronic gum infection, and that periodontal disease - which individuals can suffer from for decades - could be a risk factor for triggering adult-onset (type II) diabetes.

It is known that periodontal bacterial infection increase the likelihood of atherosclerosis (clogged coronary arteries) and of premature birth in pregnant women; it may even be a factor in osteoporosis. It has also been noted in recent years that diabetics are more likely than non-diabetics to suffer from chronic gum disease, and that treating it (by periodic cleaning and scaling) can improve patients' blood sugar balance, thus reducing the risk of debilitating complications of diabetes such as blindness, neuropathy, and gangrenous feet.

Dr. Anthony Iacopino, of the division of prosthodontics at Marquette University's School of Dentistry in Milwaukee, Wisconsin, has evidence that chronic periodontal disease might actually contribute to the onset of type II diabetes. Speaking at yesterday's meeting of the American Academy of Periodontology (AAP) at the US National Institutes of Health in Bethesda, Maryland, Iacopino noted that bacteria under the gums enter the bloodstream and activate immune cells, which produce inflammatory biological signals called cytokines. These, said Iacopino, have a destructive effect throughout the body. In the pancreas, the cells responsible for insulin production can be damaged or destroyed by the chronic high levels of cytokines, with the potential of inducing type II diabetes - even in otherwise healthy individuals with no other risk factors for diabetes. High levels of blood cholesterol, he maintained, not impaired glucose tolerance, seems to be a significant risk factor for periodontal disease in diabetics.

Low-fat diets, lipid-lowering drugs, and exercise and other therapy for reducing cholesterol levels are vitally important for diabetics who want to improve their quality of life as well as their oral health, Iacopino said. "The next step to determine for sure whether or not periodontal disease can [actually] cause diabetes is to perform clinical studies and intervention trials to answer the question: "When periodontal disease is treated, does the risk for [developing] diabetes decrease?"

AAP resident Dr. Michael McGuire concluded that "until we have results from intervention studies to better understand the role periodontal disease may play in diabetes, as well as heart disease, pre-term births and respiratory disease, the best advice is for people to take excellent care of their oral health."

Dr. Dov Sydney, a dentist who runs the country's only dental clinic (at Meir Hospital in Kfar Sava) aimed at reducing cardiovascular and other complications in patients with periodontal disease, said he had planned to attend the AAP conference but was unable to go. However, he said that Iacopino's findings, while preliminary, were worth further study.

"These bacteria, that adhere to the roots of the teeth and swell the gums, remain there for 30 years or more. They enter the bloodstream and are bound to affect the rest of the body, not just the mouth."

Prof. Itamar Raz, president of the Israel Diabetes Association and head of the diabetes clinic at Hadassah-University Hospital in Jerusalem's Ein Kerem, commented, "We know that periodontal problems can worsen diabetics condition and that treating chronic gum infection can improve it. But we have seen no clinical proof that diabetes may be triggered by these infections."

Medicinal Silver

One dose of silver oxide may prolong the life of terminally ill patients stricken with acquired immune deficiency syndrome (AIDS), according to a study conducted at a clinic in Central America. The triple-charged silver in silver oxide appears to significantly increase the effectiveness of the metal in combating disease-prone bacterial and viruses that rage through AIDS-infected patients.

This action of silver offsets the loss of the body's bacteria-fighting immune system caused by HIV, the AIDS virus. At the Struggle Against AIDS Clinic in Honduras, 10 patients diagnosed as terminally ill (each was suffering from AIDS-related conditions known as wasting syndrome and candidiasis) were treated with polyvalent silver oxide.

Before the administration of a single dose of polyvalent silver oxide, (approximately 40 parts per million of blood volume), the patients were removed from the standard AZT therapy. Following the administration of the polyvalent silver oxide, the white blood cell count in eight patients increased by 10% and 350%. The patients were then treated with standard antibiotics.

Two of the patients had conditions so far advanced that they were unresponsive to the subsequent treatment and succumbed to the illness within a year. However, the single treatment appeared to prolong the lives of the eight remaining patients by as much as three years.

Further research is needed to investigate the optimal modes of administration and dosages of polyvalent silver oxide for AIDS therapy. Additional

clinical trials are now being organized in South Africa to gain more data.

For more than a century, single-charged silver has been a proven barrier against blindness in babies exposed to disease during birth. Single-charged silver replaces hydrogen atoms, which supply energy to bacteria and extra cellular viruses. Blocking the energy supply renders such viruses inactive. The more powerful triple-charged oxide signals new potential in combating disease.

In one laboratory experiment, polyvalent silver oxide, in a concentration as low as 20 parts per million (ppm), was inserted into cultured HIV-1 infected cells, resulting in a kill rate of 98.4%. This news, reported by the National Virology Laboratory of Israel at Tel Hashomer, encouraged the Kaplan Hospital, also in Israel, to conduct a study of laboratory mice stricken with murine

**This action of silver
offsets the loss
of the body's bacteria-
fighting immune system
caused by HIV,
the AIDS virus.**

AIDS. A single administration of 40 ppm of polyvalent silver oxide reportedly resulted in an effective cure on the lab animals. These early experiments with AIDS infections indicated that polyvalent silver oxide may be more than merely a multi-spectrum antibiotic inactivating a whole range of bacteria, such as candida albicans, that ravage the AIDS-weakened immune system. Further studies may reveal that silver also stimulates the body's immune system to restore at least some of it's normal function.

-The preceding is an excerpt from Silver News, the publication of Washington, D.C. based The Silver Institute.

PROTECT YOURSELF AGAINST DISEASE

“Colloidal Silver is a Natural Antibiotic and Disinfectant that Destroys bacteria, viruses, fungi and parasites.

Prescription for Nutritional Healing (3rd Edition) Phyllis A. Balch CNC and James F. Balch, M.D.

“We’ve never been this excited before about the possibilities to relieve so much suffering” states Bruce (Baruch) Gorovenko of Rapha Laboratories in Surrey BC, Canada, distributor of colloidal silver.

In recent preliminary findings researchers in the US and Israel have shown a new diabetes-gum disease link. The health industry has suspected this for some time because of anecdotal experience. “There is also a known link between cardiovascular and other complications in patients with periodontal disease” according to Dr. Dov Sydney head of the Meir Hospital dental clinic in Kfar Sava Israel. Dr. Sydney states, “these bacteria, that adhere to the roots of the teeth and swell the gums, remain there for 30 years or more. They enter the bloodstream and are bound to affect the rest of the body, not just the mouth.” Prof. Itamar Raz, president of the Israel Diabetes Association and head of the diabetes clinic at Hadassah-University Hospital in Jerusalem’s En Kerem, commented, “We know that periodontal problems can worsen diabetics condition and that treating chronic gum infection can improve it.” The discovery of this link may explain why diabetics enjoy manifold benefits of Colloidal Silver. Colloidal Silver has been recommended by health professionals for decades to treat this type of infection.

Colloidal Silver has an amazing history, in the 1950’s a product called movidyn was developed from Colloidal Silver. According to authors John Loftus and Mark Aarons, movidyn in water at a concentration of 1 part per billion had a germicidal effect. In a study of infected wells, it completely destroyed typhus, malaria, cholera, and amoebic dysentery. Drinking containers washed in movidyn retained their germ-fighting abilities for several weeks. To the astonishment of the Soviet military that developed movidyn, it also disinfected every germ warfare bacteria in the Soviet arsenal, even their newest designer poisons. Movidyn was too good, the Czech factory where it was manufactured was disassembled and carted back to the Soviet Union.

Another product developed from Colloidal Silver is a triple charged, (polyvalent) silver oxide. At the Struggle Against AIDS Clinic in Honduras, following the administration of this silver product, the white blood cell count in patients rose by 10% and 350%. The National Virology Laboratory of Israel at Tel Hashomer reported this silver product was inserted at 20 ppm into cultured HIV-1 infected cells, resulting in a kill rate of 98.4%! This was reported in the Silver News, a publication of the Washington DC based Silver Institute.

Benefits of COLLOIDAL SILVER for health are detailed in the Prescription for Nutritional Healing by Phyllis A. Balch CNC and James F. Balch, M.D. (third edition)

“Colloidal Silver can be applied topically, taken by mouth or administered intravenously. Topically, it can be used to fight fungal infections of the skin or nails and to promote the healing of burns, wounds, cuts, rashes, and sunburn. It can be used on toothaches and mouth sores, as eyedrops, and as a gargle to fight tooth decay and bad breath. It can be used as sterilizer and can even be sprayed on air-conditioning filters and air ducts and vents to prevent germs from growing. Taken internally, colloidal silver can be used to fight infection. It has been shown to be effective against more than 650 disease causing organisms, including Escherichia coli (E. coli) bacteria and the fungus Candida Albicans.” (page 66)

Other indicated uses of Colloidal Silver are:

Abscess p. 120 Acts as a natural antibiotic and disinfectant. Destroys bacteria, viruses, fungi, and parasites.

Aids p. 141 A broad-spectrum antiseptic that subdues inflammation and promotes healing of skin lesions. Can also be used orally.

Athletes Foot p. 200 A natural antibiotic and disinfectant. Destroys bacteria, viruses, fungi, and parasites. Promotes healing.

Bedsore p. 212 A natural antibiotic and disinfectant. Destroys bacteria, viruses, fungi, and parasites. Protects against infection and promotes healing.

Bladder Infection p. 217, 219, 220 A natural antibiotic. Destroys bacteria, viruses, fungi. Promotes healing.

Bronchitis p. 232 A natural antibiotic that destroys bacteria, viruses, and fungi. Promotes healing.

Burns p. 242 A natural antibiotic and disinfectant. Promotes healing. For severe burns, use spray form.

Candidiasis p. 266 Colloidal Silver is a natural broad-spectrum antiseptic that fights infection, subdues inflammation, and promotes healing.

Diarrhea p. 326 Acts as a natural alternative to antibiotics.

Dog Bite p. 330 To reduce the danger of infection. Can be taken internally or placed on a sterile bandage covering the wound.

Ear Infection p. 340 A natural antibiotic. Can be taken orally or used as an ear wash.

Hearing Loss p. 414 Excellent antiviral agent. Can also be used as ear drops for infection or inflammation.

Influenza p. 468 Good for viral infections. Promotes healing.

Pneumonia p. 568 Reduces inflammation and promotes healing of lesions in lung tissue.

STD’s (Sexually Transmitted Disease) p. 621 An antiseptic that rapidly reduces inflammation and promotes healing of lesions.

Shingles (Herpes Zoster) p. 622 A natural antibiotic that has shown effectiveness in treating shingles. Can be taken internally and used topically.

Sinusitis p. 625 A natural antibiotic.

Snakebite p. 639 An antiseptic that reduces inflammation and promotes healing of skin sores.

Sore Throat p. 640 A powerful antibiotic with no known side effects.

Spider Bite p. 642 An antibiotic that reduces inflammation, promotes healing, and inhibits infection.

Sunburn p. 651 Antiseptic to prevent infection. Subdues inflammation and promotes healing.

Tonsillitis p. 658 An antibiotic that reduces inflammation and inhibits infection.

Tuberculosis p. 662 An antiseptic that subdues inflammation and heals lesions.

Ulcerative Colitis p. 667 A natural broad-spectrum antiseptic that fights infection, subdues inflammation, and promotes healing. Can be taken by mouth or applied topically.

Vaginitis p. 671 A broad-spectrum natural antibiotic that subdues inflammation and promotes healing.

**RAPHA LABORATORIES 20 PPM COLLOIDAL SILVER
16 oz -bottles ♦ 4 oz -fine mist sprayer ♦ 2 oz -dropper**

Visit us at: WWW.RAPHALABS.COM LABORATORYTESTEDATUBC