

Medical Journalist Report of Innovative Biologics

by Morton Walker, DPM

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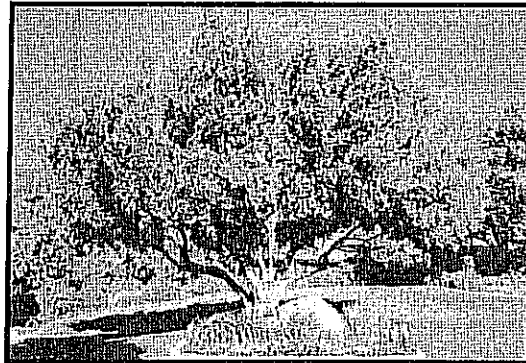
Olive Leaf Extract as a Main Therapy in the Antimicrobial Supermarket

During the period April 5th to July 20th, 2000, a noted 68-year-old writer/philosopher who we will call Rhoda (pseudonym) of Los Angeles, California came down with a variety of body debilitations. Her symptoms indicated that she suffered with two disabling conditions, chronic fatigue syndrome and fibromyalgia. An enthusiastic health professional advocate of treatment with olive leaf extract for these health problems, Al Robert Franco, MD, FACR, Medical Director of the Arthritis Center of Riverside, California, prescribed his favorite antimicrobial remedy to Rhoda. As a result, Dr. Franco's patient showed some mild symptomatic improvement right away. Later, working with Dr. Franco, Aristo Vojdani, PhD, MT, who is affiliated with Drew University School of Medicine in Los Angeles, California and Immunosciences Laboratory, Inc. of Beverly Hills, California, agreed that Rhoda had been invaded by one or more newly identified pathological microorganisms, the mycoplasmas.

Mycoplasmas are prokaryotes, cellular organisms lacking any true nuclei and nuclear membranes. Rather, the nuclear material of prokaryotes consists of a single double-stranded DNA molecule, not associated with basic proteins. Belonging to the class Mollicutes, mycoplasmas are the smallest of all free-living self-replicating bacteria known.¹ They possess no cell wall and only a limited genome of between 600 to 1500 kbp. This characteristic makes them highly dependent upon their host for survival, much like viruses.^{2,3} Several studies implicate mycoplasma species as cofactors in numerous clinical conditions such as chronic fatigue syndrome, fibromyalgia, rheumatoid arthritis, and the Gulf War syndrome.⁴⁻⁶ If any patients exhibit overlapping symptoms of chronic illnesses, mycoplasma invasion should be considered as a reason and defined by microscopic evaluation of the patients' blood.^{7,8}

During the course of her successful treatment in Los Angeles, Rhoda found it necessary to depart suddenly and visit a second home she owns in Lubbock, Texas. It was in the suburban community of Kerrville, near Lubbock, that a definitive diagnosis pinpointing the organisms was made for her by Anand Mehendale,

MD, a microbiological specialist who is currently investigating mycoplasmas for the National Institutes of Health. Dr. Mehendale and his associate, Mark Goldman, PhD, both participating in the Phoenix Medical Associates of Kerrville, Texas, found that the woman was infected with three specific mycoplasma organisms: *Mycoplasma fermentans*, *Mycoplasma pneumoniae*, and *Mycoplasma genitalium*.



Photograph 1. One type of beautiful southern California olive trees cared for and harvested by the orchardists in the employment of the First Fishery Development Services, Inc., makers of Seagate® Olive Leaf Extract. The olive leaf, actually a byproduct of this tree, has become as important a crop in the olive industry as the tree's fruit used for olive oil.

At the time that he made the precise diagnosis for Rhoda, Dr. Anand Mehendale was unaware of the efficacy of olive leaf extract for eliminating almost all pathological microorganisms. The patient decided to offer my book *Nature's Antibiotic: Olive Leaf Extract*, to Dr. Mehendale to read and later placed a telephone call to me. Rhoda requested my recommendation for a more effective brand of olive leaf extract than the usual health food store varieties.

I referred Rhoda to the Seagate® brand of olive leaf extract manufactured by First Fishery Development Services, Inc., of San Diego, California. Thus, under Dr. Mehendale's supervision, the patient took an initial dose of six 450 mg capsules of Seagate® daily in divided doses of two following each meal. She did this daily for just three-and-a-half

months, and experienced excellent results. Rhoda addressed the following letter to me:

"Dear Dr. Walker:

The olive leaf extract that you recommended has completely wiped out the mycoplasmas in my blood. The result is excellent, thank you. Most of all, however, Seagate® cured my irritable bowel syndrome with which I had been diagnosed 45 years before. During the entire time, I had been very constipated and underwent hundreds of X-ray examinations, drug prescriptions, endoscopies, and more for counteracting this bowel condition. But olive leaf extract improved my life like nothing else you could imagine. It changed the way I thought about my body. My bowels work now the way they should.



Olive Leaf Extract

I've introduced Seagate® Olive Leaf Extract to many doctors, such as Joel Baseman, PhD, world renowned mycoplasma specialist, and Claudia Miller, MD, author of *Chemical Exposures: Low Levels, High Stakes*, and many more docs. Dr. Mehendale is now very impressed with olive leaf extract. Thank you again, Dr. Walker, for the publication of your book and for your recommendation."

The proof of Rhoda's statements are presented in her before-and-after laboratory reports. Writing on July 20, 2000 to A.W. Mehendale, MD, regarding this patient, Anita Busquets, PhD, microbiologist with the GeneTex, Inc. microbiological laboratory of San Antonio, Texas advised:

"The mycoplasma detection tests performed on blood obtained from your patient, Rhoda, are now complete, and here is the result:

DNA from *Mycoplasma fermentans* was detected.

DNA from *Mycoplasma pneumoniae* was detected.

DNA from *Mycoplasma genitalium* was detected."

Thereafter, on November 9, 2000, following the patient's use of Seagate® Olive Leaf Extract and reporting once again to Dr. Mehendale, Dr. Anita Busquets states: "The mycoplasma detection tests performed on blood obtained from your patient, Rhoda, are now complete and here is the result:

DNA from *Mycoplasma fermentans* was not detected.

DNA from *Mycoplasma pneumoniae* was not detected.

DNA from *Mycoplasma genitalium* was not detected."

Dr. Anand Mehendale's patient, Rhoda, has now been declared cured of her multiple mycoplasma infections.

A Supermarket Filled with Brands of Olive Leaf Extract

When my book was published in the fall of 1997, there was hardly any market for olive leaf extract, for it had been sold mostly by mail order. Only three companies manufactured the generic product and a dozen distributed these few generics under their own brand names. By the time of publication of my book's third edition early in 1999, three more manufacturers had appeared and 20 olive leaf extract products were sporting their separate labels. Today, a supermarket of individual brands exist - perhaps more than 60 of them - all marketed with promotional claims for excellence. The olive leaf extract industry has blossomed.

The supermarket of nutritional supplements with olive leaf extracts from around the world definitely is confusing for medical consumers and maybe for health professionals as well. Obviously some are better than others for the treatment of microorganisms, and clarification is required as to why one is more efficacious than another.

Almost every olive leaf extract touts on its label that the particular product is standardized to a certain percentage of oleuropein, the main antimicrobial ingredient identified in olive leaves. For each manufacturer, such standardization is achieved in accordance with the extraction method employed to process the described brand. Usually the standardization takes place as a result of isolating one specific phytochemical in the olive leaf, the oleuropein. The manufacturer invariably tries for the highest purity of phytochemical in its isolation procedure. In doing so, often purification approaches pharmaceutical industry standards, and chemicals or solvents like hexane are applied. One or more chemical components become precipitated out from the herbs, and this makes for chemical destruction or elimination of one or more of them. Such an action will be disadvantageous to the medical consumer who is looking for a definite antimicrobial/therapeutic effect from the olive leaf.

In producing its Seagate® brand of olive leaf extract, First Fishery Development Services, Inc. does not attempt to create a standardized extract but rather it furnishes a "whole herbal extract." The company uses a cold-pressed freshwater extraction method to process the product. No solvent or alcohol is utilized simply because Seagate® is not isolating oleuropein or any other of the several phytochemicals present in olive leaves. Instead, the company is attempting to concentrate all the phytochemicals in this herb, and it avoids destroying or eliminating any one of them.

Laboratories testing the levels of oleuropein in olive leaf extract have determined that these levels almost universally fall in ranges between 1 percent and 7 percent. It's found additionally that any other reported levels of oleuropein have no extracurricular antimicrobial advantage. Such reportage of elevated concentrations by the marketing departments of manufacturers and/or their distributors, therefore, is just so much "window dressing" for purposes of sales promotion.

For the record, the level of oleuropein in the Seagate® brand of olive leaf extract is 1 percent, which is sufficient for killing pathological microorganisms. Each Seagate® capsule contains 450 mg of natural phytochemicals, including oleuropein and associated antioxidants. Working synergistically, the various phytochemicals fight off strains of bacteria, spirochetes, rickettsiae, chlamydiae, fungi, yeasts, molds, viruses, protozoa, worms (helminths), and other parasites.

During the years 1969 and 1970, research scientists at the Upjohn Company broke down the olive leaf's oleuropein chemical into the separate components, elenoic acid and calcium elenolate. They found that the two chemicals worked well to kill microbes during *in vitro* testing, but separately and together both of them completely failed in clinical trials during *in vivo* testing. Isolating the separate chemicals in oleuropein makes the overall product unstable when combining with blood serum proteins. They become inactive and without efficacy. Thus, it is imperative to keep the whole molecule together during the processing of olive leaf extract, a procedure followed by the Seagate® company in its making of Olive Leaf Extract.

To emphasize: While there has been a proliferation of olive leaf extract brands on the market, very few are actually processed by the companies whose names appear on the branded labels. In fact, most "manufacturers" are not creators of any product at all but merely are marketers. They incorrectly call themselves manufacturers by contracting for their raw materials from the wholesalers or other suppliers and farm out the required encapsulation process to pill processors.

My finding is that Seagate® Olive Leaf Extract has exceedingly high quality and efficacy in their product because the company really does manufacture its own olive leaf extract directly from olive leaves that its agricultural employees harvest. I see that the principals at Seagate® follow this same procedure for all of their products requiring raw materials from the company's fishing and farming operations.

Illnesses Effectively Treated with Seagate®

Licensed clinical psychologist Jerome Cardell, PsyD, of Cocoa, Florida has been using Seagate® for the treatment of emotional difficulties experienced by his patients.

"I had noticed that a lot of my patients' neurotic illnesses came from medical etiologies; especially those folk suffering from depression and anxiety have their problems controlled with doses of olive leaf extract. The patients complaining of chronic fatigue and muscle aches invariably are actually troubled by fibromyalgia that arises from a microbial source," states Dr. Cardell.

"When I first heard you, Dr. Walker, you were making an appearance two years ago on the Texas-based television show

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"Doctor to Doctor" with Helen Tanzanti, MD. I listened to you discussing olive leaf extract and heard you say that this herb would be useful for people suffering from cardiomyopathy. Since I suffer with cardiomyopathy and congestive heart failure, with the doctors completely giving up on me except for recommending a heart transplant, I didn't know what to do. So, the next day after hearing your advice, I bought some olive leaf extract from the health food store and took it.

"At first, these health food store pills didn't do me much good because of too high a concentration of the oleuropein in them. When finally I got hold of Seagate® its concentration turned out to be perfect and my cardiomyopathy came under control. I have now proved the herb's usefulness not only by my own improved heart action but by my patients' praises as well," Dr. Jerome Cardell says. "My chronic fatigue and fibromyalgia patients have exhibited lots more energy and got rid of their fatigue by taking the herb. I have tried many different brands of olive leaf extract but none of them came up to the quality of Seagate® Olive Leaf Extract."

"One of my patients who is HIV positive followed the guidelines in your book which I showed him and drank that formula you describe on pages 124 and 125. It consists of mixing olive oil, whole lemon juice, orange juice, and olive leaf extract in combination. This AIDS patient does very well from use of the drink together with six olive leaf extract capsules he takes daily," confirms Dr. Jerome Cardell. "Also, other patients of mine having colds or flu get over their illnesses in no time, too. The herb changes the biological terrain by making the individual's internal environment more alkaline, which does not allow pathological organisms to thrive. I'm proud to suggest the Seagate® Olive Leaf Extract brand."

How Olive Leaf Extract is Processed into Seagate®

By the practice of processing its own raw materials – even to the point of pruning and harvesting leaves from its own olive trees – the First Fishery Development Services Company of San Diego prepares the extracted powder of olive leaves for encapsulation. This company is unique in the natural products industry. Also it does its own bottling of the capsules for dispensing to consumers so that the full manufacturing and packaging processes of Seagate® remain under control of the one manufacturer.

When the employees at the Seagate® Company work on their own olive trees, they perform the job of orchardists. They prune the trees' branches and hand-select leaves immediately after the olives have been harvested. This is done at a time when each olive tree has reached its biological peak during the annual growing cycle. The olive leaves are immediately taken to the Seagate® plant, where they are washed and then blast frozen in the company's cold storage unit. Here the leaves are held for eventual processing into a highly potent olive leaf extract.

The extraction process itself is done by freshwater cold-processing without the use of any chemicals, solvents, or alcohol. A mechanical press is applied to crush the leaves, before they are placed in freshwater baths where the leaves' natural phytochemicals are dissolved. Next employed are specially designed vacuum tanks to recover the dissolved and undissolved solids. By this method no residual solvents are left behind in the finished product. Furthermore, such a cold-press freshwater extraction technique does not alter or destroy the delicate structure and balance of the phytochemicals and nutritional components of the olive leaf. The Seagate® producers respect Nature's formula for olive leaf and do nothing to modify it. The end product is 100 percent pure, derived solely from olive leaves, for it contains no fillers, excipients, artificial colors, or added colors. This is the reason the encapsulated product remains green.

Seagate® Olive Leaf Extract offers a 450 mg capsule recommended to be taken preventively in a dosage of one or two to four capsules daily. For treatment of a microbial illness, the better dosage would be four to eight capsules daily for one week, but the daily dose must be spread out throughout the day. When the illness comes under control or disappears, the dosage may be reduced once again to one, two, three, or four capsules per day.

A single 450 mg Seagate® capsule costs approximately the same as a competitor's 250 mg capsule. However, the consumer taking Seagate® pays less because raw materials stay under the full control of the Seagate® Company.

James Heltzel, DMD, Treats Periodontal Illness with Seagate®

"We offer patients a holistic-type dental practice in which the Seagate® brand of olive leaf extract is applied for the treatment of periodontal disease. Specifically, my husband uses Seagate® to eliminate periodontitis arising from oral infection with *Entamoeba gingiviera*," describes Nancy Heltzel, RDH, as she discusses the treatment methods of her husband, James Heltzel, DMD, of Las Vegas, Nevada.

"Ordinarily the traditional method for eliminating this entamoeba parasite is by administration of metronidazol, but Dr. Heltzel was concerned for his patients when they must use this antibiotic on their gums for prolonged time periods. He looked for another way of successfully treating the amoeba and came upon your article, first published in the *Townsend Letter for Doctors & Patients*, Dr. Walker." That published piece of information excited both of us and caused us to put patients on olive leaf extract for periodontal treatment. Amoeba from the oral cavity may be seen on a darkfield microscope slide, which the patient then treats with Seagate®.

"Our patient takes two Seagate® capsules three times a day so that it's ingested each eight hours to maintain a consistent blood level. Additionally, capsules are opened and the powder is swept under the gums with a toothbrush three times daily; then this same powder is swallowed and not rinsed out," states the registered dental hygienist. "Such a protocol is followed for five weeks at which time our patient returns again to have another darkfield slide of the oral cavity examined. Invariably the olive leaf extract application improves the mouth's periodontal condition. This procedure has been working very well for our patients. It might work even better if there was a tooth paste containing Seagate® Olive Leaf Extract in it.

"Dr. Heltzel and I are using Seagate® specifically because it has such excellent quality. Upon returning for their followup visits, patients tell us that all kinds of good things have happened to them from taking olive leaf extract. For example, they say that their systemic or local fungal infections disappear, and they gain large amounts of energy," Mrs. Heltzel says.

"But the patients must penetrate their gums with olive leaf extract powder because amoebic organisms are lodged in pockets that go four millimeters into the tissues. The powdered extract must reach where the parasite is growing. That's why we have our patients work the Seagate® Olive Leaf Extract powder under gums for its antimicrobial effect."

Caring Hands Pain Clinic Uses Olive Leaf Extract

Licensed massage therapist Lee Fowler, the director of Caring Hands Pain Clinic in Walnut Ridge, Arkansas, uses olive leaf extract extensively for her clients who have dysfunction of the immune system.



Olive Leaf Extract

"I have dispensed or suggested Seagate® Olive Leaf Extract for patients with shingles, colds, flu, and my father takes it as therapy for his cancer. Yes, my 77-year-old dad has a four-inch-diameter malignant tumor growing over his thoracic spine at the T-4 vertebra. But his taking three olive leaf extract capsules a day keeps his immune system functioning well. He shows his improvement on this regimen by walking 14 blocks twice a day.

"From its being so pure and powerful, I will dispense the Seagate® brand of olive leaf extract only. It's pure enough to apply topically by mixing the capsule's powder with sterile water and making a green paste for applying to cuts, wounds, sores, and other open lesions. It works well for skin ulcers of all kinds. Since Seagate® is so safe, I've given the powder of half-a-capsule to children as young as 16 months," advises Mrs. Fowler. "The parent just mixes it into squashed banana or applesauce and feeds it to the child. From the dispensary in my office, I sell quantities of this product on a continuous basis.

"Working in the janitorial department of the local college, my next door neighbor consulted me for relief for shingles. This 44-year-old woman got rid of her problem within two weeks. It's three weeks now and the shingles never came back," states the massage therapist, "and post herpetic pain never occurred either. She comes into my office every month to refill her required quota of olive leaf extract so that herpes zoster stays away.

"The last case history I'll add is that of my husband who was troubled by a yeast infection on his foot which was so bad we thought he would have to undergo an amputation. The skin turned black; it was flaking off in whole layers; no amount of therapy prescribed by our physician did any good. The one home grown mode of treatment that cleared up his skin condition in short order was a poultice I made containing the powder from Seagate® Olive Leaf Extract mixed with essiac tea plus sterol/sterolins. My husband's foot healed within six days," declares Lee Fowler. "The way to make this poultice is to take six olive leaf extract capsules, pull them apart and apply the powder to a sterile cloth, make essiac tea and use the tea's residue rather than its liquid, and empty three capsules of sterols/sterolins into the whole mixture. Make a paste and tape the whole thing to the lesion, held in place by a sock and leave it on all night. We did this for two nights, and by the third day my husband's foot was healed entirely. Through the night it had been covered with plastic wrap to protect the sheets. This procedure works well to heal wounds of many types."

Clinical Nutritionist Doug Kaufmann Recommends Seagate®

From his clinic in Rockwall, Texas, clinical nutritionist Doug Kaufmann talked with me about the therapeutic efficacy he has found with Seagate® Olive Leaf Extract. "In the past three years physicians whom I employ have thrown out all of the other olive leaf extracts and strictly dispense or recommend the Seagate® brand. That's because this brand is the full olive leaf alone. It remains unrefined or at least not overly processed. My belief has always been that nature made the natural product just right and there is no need for mankind to throw a monkey wrench in its natural formulation," states author/radio and television host Doug Kaufmann. From out of Dallas, his Family Net TV show, "Your Health with Doug Kaufmann," is being syndicated to 113 cities nationwide, and he is a recognized TV celebrity.

"The health professionals working in my clinic and I believe that there is a fungal component connected to many diseases. Since olive leaf extract is absolutely safe, we recommend that patients take two Seagate® capsules three times a day. This is

something that's done immediately because it's inexpensive and good," says Mr. Kaufmann. "If a pathogen is the root cause of the patient's problem, which is the case in 85% of patients, we then have a starting place to clear up the condition.

"An example is the mother of two children, a 33-year-old receptionist who suffered with irritable bowel syndrome, ulcerative colitis, and Crohn's disease. She responded very well to olive leaf extract," says Kaufmann. "With a clear conscience I do suggest the use of Seagate® to 100,000 listeners or viewers daily. I know that viewers are calling their television stations and thanking them for airing my health care announcements about olive leaf extract. Typically the callers say something like, 'I am taking the Seagate® product and now my nasal polyps are much better.' And we've known of several cases of juvenile arthritis which improved markedly because the olive leaf extract killed off the infecting amoeba which was causing the arthritic symptoms."

Dace Brown, RN, Dispenses Olive Leaf Extract

A private practice registered nurse in San Diego, Dace Brown, RN, says, "For a couple of years now I have experienced great success with dispensing Seagate® Olive Leaf Extract for fungal infections and other microbial infections. My finding is that elevated blood levels of lymphocytes indicating the presence of infection do come down in quantity when I put my patient on olive leaf extract. Using olive leaf extract, I get results for people immediately in treating *Candida albicans* infections.

"Another registered nurse, a male age 42, was diagnosed as having two fungal infections, one causing toenail onychomycosis and the other producing a scrotal rash that had been present for three years. This nurse followed my directions to take three 450 mg Seagate® capsules three times a day. After almost three months, the onychomycosis corrected itself from the olive leaf extract but no improvement took place in his scrotum," Nurse Dace states. "Later, we learned that the correct diagnosis for his scrotal rash was not fungal but that too much scrotal vascularization offered up the appearance of rash. Using Seagate® Olive Leaf Extract, I've been able to repeat just such an excellent response against fungus in numbers of other patients."

Resource

For more information about the Seagate® brand of olive leaf extract and the Seagate® Company's other fine products, contact the company principals on a 24-hour toll-free order line at 888-505-4283 or correspond by Email to info@seagateproducts.com or reach them by Fax at 858-279-7040 or visit the Seagate® website at www.seagateproducts.com. The Seagate® Company welcomes inquiries by healthcare professionals, and health food stores who may be interested in distributing their many products.

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