



Picture of a Patient being treated at the Mastoid with the Low Level Laser as part of the overall treatment protocol.

## **Painless Non-Surgical Treatment**

Our treatment protocol consists of using modern light therapy called Low Level Laser Therapy. This therapy utilizes a non-surgical laser that emits a special frequency of light that is cool to the touch.

The use of low level laser therapy for inner ear diseases has been available in many countries since the end of the eighties such as Italy, France, Scandinavia, Switzerland, Hungary, Germany and Russia. Over 1000 patients have been treated by a Swiss company (DisMark GmbH) alone. This effective treatment is now available at our clinics in the U.S. under a clinically approved trial.

Help IS available and now within your reach regardless of your age. Even cases of long standing Tinnitus can be treated effectively with Low Level Laser Therapy. In Europe over 20,000 Tinnitus sufferers have had the "ringing in the ears" greatly reduced or eliminated. Clinical studies show that with laser therapy more than 26% of the patients report no more tinnitus, an additional 36% report a greater than 50% reduction in their Tinnitus and an additional 19% report some reduction up to 50% in their Tinnitus. With our advanced dosimetry methods for exact laser placement, we expect to experience even better results because of the exact placement of the lasers and specific calculations of doses based upon your specific condition and physiology. While everyone will not be Tinnitus-free, re-treatment and/or the use of our specially designed "home therapy" lasers will improve the statistics even more.

It is common knowledge that light is a healer and provides new energy to the cells of the body. The light therapy is absolutely painless and contains no risk at all (e.g., risk of infection). In 30 years of research on Low Level Laser Therapy, there have been no known adverse side effects.

Every single sensory cell of our inner ear is a unique cellular life unit that accompanies us throughout all our life. These cells are incapable of regenerating themselves by means of cell division, however, they can function for many years even if impaired. Low Level Laser Therapy can give exhausted or damaged inner ear cells regenerating power by increasing their inner-cellular energy. For more scientific information, view one of the slide presentations by our experts (see the links in the left column near the top of this page).

Low Level Laser light is compressed light from the red spectrum of the visible part of electro-magnetic radiation. It is cool to the touch, unlike the lasers used in surgery and causes no pain or damage to living tissue. As with all strong light sources, precautions are taken to protect the eyes.

As the body can be overtaxed and exhausted, so can individual cells be exhausted biologically, resulting in illness and disease. The length of treatment depends upon the degree of impairment and is assessed on an individual basis upon initial evaluation.

## **How Our Advanced Tinnitus Treatment Works**

Ten treatments are usually administered on either 10 consecutive days, or over a two week period. The first day is devoted to audiograms, MRI and doctor's consultation. An individualized treatment protocol is computer designed for you based upon a thorough analysis of your condition and is fully explained to you before treatment is started.

The treatment is completely painless and very relaxing. The Low Level Laser light is radiated into your inner ear to effect the biological stimulation while you are lying in a comfortable position. Both ears are treated because of the nature of human hearing. Individual treatment times can vary from about 40 minutes to a little more than an hour. The treatment is most effective when administered on 10 consecutive days.

Some patients may feel a slight warming sensation. In many cases, the treatment will be combined with supplements such as Zinc or B vitamins.

You will wear protective glasses to eliminate any risk of laser light shining into the eyes. As with any bright light source such as the sun or powerful light, lasers must not be viewed directly for long periods of time. This risk is explained in the informed consent form you will be given.

After ten days of treatments, a final audiogram will be performed with a final questionnaire to determine the effectiveness of the treatment. It is expected that you will derive some median improvement during the treatment which will vary from 30 to 60%. The remaining improvement will continue over the next one to three months.

Follow-up will be made at one month and three months. If the treatment results are not optimal, retreatment can be given after three months. The cost will be substantially reduced as the initial testing will not be required.