

The Children's Dental Health Initiative Research Project

The Magic Of The Laser!

Is

Changing The Future

Advanced Health Research Institute

A 501c3 non-profit organization

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Imagine a future where no one fears going to the dentist. Imagine a dental visit that did not involve shots and drills but instead focused on laser cleanings and vaporizing any decay with a laser without hurting good tooth structure. Imagine a future that virtually has no adult dental disease, no cavities, no root canals, and no crowns. Instead, using saliva, lasers, and electromagnetic biofeedback energy as diagnostic tools, the dentist can assess the status of whole body health and give advice on improving health. Where a trip to the dentist may mean detecting a disease process, not only in the mouth but in the whole body years before any symptoms show up and where correcting the course of the disease is simple and easy. That future may be sooner than we think if only we could get the dentists to look at their profession a different way and start using new techniques and technology that is here today.

Dentistry is an unpleasant subject that most people, including many health care practitioners, don't want to talk about. In fact most people don't even want to think about dentistry because it conjures up these horrible images of what they, themselves have gone through. And it never seems to end - as almost all adult dentistry done is working on teeth another dentist has drilled and filled. Yet even though we don't want to deal with the subject, many health care practitioners are beginning to recognize that the mouth may be the center of our health. If you think about it, the mouth is the focus of many things; communication, beauty, sexual attractiveness, our sense organs; and it's the beginning of our health through nutrition, digestion and immunity. It is the center for our survival and as such the brain devotes an enormous amount of it's sensory, data gathering ability on the oral area.

Unfortunately dentistry is feared, avoided, not well understood by most, and the brunt of jokes and negative stereotyping in the media. However, many in the health care field have begun to appreciate the serious implications on our health with present dental practices. The most significant influences to our health from dentistry comes from 1) The dental materials placed in the mouth which contain many chemicals and heavy metals known to seriously affect a patient's health. 2) Root canals and bone disease that included chronic infections, neurotoxins, lymphatic and circulatory disorders. 3) The TMJ, jaw relationships, neuro-muscular influences, neuralgia and pain disorders, as well as sensory feedback signals to the brain that influence neurotransmitter activity. 4) The electromagnetism and electro galvanic effects of having metal in the mouth which may alter brain rhythm patterns. 5) Bacteria from the mouth and periodontal tissues contributing to many chronic disorders such as heart disease, stroke, diabetes and even pregnancy problems.

Dental factors have been associated not only with the cause but also with the cure of chronic disease. A number of cases are on record in which "incurable" conditions have been reversed following dental revision. It is therefore vital that patients and dentists alike understand and appreciate the significance of each and everything done in the oral area. Dentists need to change their treatment techniques and materials. They must stop implanting hazardous materials and electric batteries in such a sensitive area of the body that gives the body negative signals 24 hours of every day. The Children's Dental Health Initiative involves screening schools for children in need and providing free laser dentistry and health screening as well as using the outcome results of patient comfort and prevention for the need of future dentistry as a research project. ***Dentistry Must Change!!!*** And the benefit if they do change is that we may be able to eliminate the need for virtually all adult dentistry, since most adult dentistry is working on teeth that a dentist has already drilled and filled.

Wouldn't that be a wonderful future!

The Study

The purpose of the study will be to demonstrate the cost effectiveness, patient acceptance, and the prevention of future dentistry through the diagnosis and treatment with laser dentistry. The study shall be carried out in three phases. Phase one will be to screen school children at their school from grades one through eight for dental cavities and dental need. Since an average primary school of about 600 students can be screened in one day, it is anticipated that we will initially screen about 14,000 students in the first month with about 20% or 2800 children in need of dental laser restorations. We are hoping to be able to treat at least about one quarter of these children or about 700 patients. Phase two will be to prioritize the students according to need and perform laser dentistry on these children's teeth. In addition we will provide nutrition and dental education to help prevention. These first two phases will be carried out during the first year. Phase three will be a three year follow up with laser cleanings and laser cavity detection to assess the health of the mouth and the effectiveness of the laser treatments for prevention.

It is our belief based on our earlier research that most adult dentistry is caused by the drilling down of teeth and that much of the trauma and need for future dentistry could be prevented with cost effective laser dentistry. In addition we believe the patient acceptance will be much higher thereby encouraging patients to seek easier, more comfortable care sooner increasing the prevention of disease. This study will also provide a much needed valuable service to many children who would otherwise not have health based care.

Research Team

Dr. Richard Hansen, D.M.D. - Study Director – Dr. Hansen has helped pioneer many advanced techniques in healthcare including the clinical trials for the FDA clearance for hard tissue applications for lasers in dentistry. He is currently working on research that will help prevent root canals with laser treatment as well as studying the effects of oral electrical currents from dental metals on brain rhythm patterns. Dr. Hansen is director of research at the Advanced Health Research Institute and has been on faculty at UCLA School of Dentistry

Dr. Andrew Yoon, D.M.D. – Clinical Investigator – After completing a residency at the University of Medicine and Dentistry of New Jersey, Dr. Yoon took a position as a research associate in dentistry in Bakersfield, California. After continuing his research into dental lasers in Las Vegas and Redondo Beach, he joined the research team directed by Dr. Richard Hansen.

Dr. Jerry Wu, D.M.D. – Clinical Investigator – Dr Wu has undergone extensive training in the clinical use of dental lasers and is a lecturer, researcher, and educator in laser physics and advanced clinical dentistry.

Please see the “How You Can Help” section to help with this study

Your help is urgently needed!!