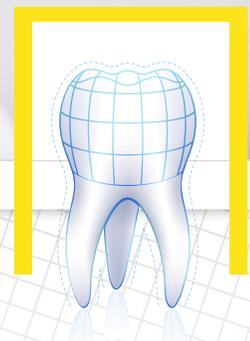


Find Decay
on **any surface...**

even around
Restorations!



Features

- ✓ **DETECTS TOOTH DECAY** along the margins of restorations, including amalgam and composite resins.
- ✓ **DETECTS LESIONS** up to 5 mm beneath the tooth surface which don't appear on radiographic images or by visual and explorer detection methods.
- ✓ **FINDS DECAY** on all tooth surfaces including the interproximal areas.
- ✓ **DETECTS CARIES** beneath fissure sealants.
- ✓ **DUAL FUNCTION!** Early caries detection and high-quality intraoral camera!
- ✓ **DETECTS CARIOUS LESIONS** much earlier than any x-ray allowing tooth structure to be preserved or remineralized and invasive procedures avoided.

An independent study found **The Canary System** to exhibit a 97% sensitivity. This level of accuracy can be attributed to **The Canary System** because it measures the crystalline structure of the tooth and not bacteria.



The Canary System is the **winner of the 2010 National Instruments' Graphical System Design and Achievement Award** in the Medical Device Category

For more information, visit:
www.TheCanarySystem.com



See More

With Confidence And Ease

Intrinsic to The Canary System is a proprietary software program that makes both the scanning and mapping of the teeth easy. The computer screen vividly shows any area of caries and indicates how advanced the defect might be. The higher the Canary Number, the more advanced the decay. The system provides high sensitivity and is linked to the status of the crystalline structure of the tooth, and not to bacterial by-products.

The Canary System™ Technical Specifications

Technology: Photothermal Radiometry and Luminescence (PTR-LUM)

Light Source: Diode-laser (660 nm)

Output Power: < 50 mW

Frequency: 2 Hz

Detection of caries

by The Canary System is directly linked with the crystalline structure of the tooth.



The standard problem of not knowing if caries are below the tooth surface or under a restoration can be resolved by integrating The Canary System into your clinical practice.

The Canary System enables dentists to initiate a remineralization program by monitoring the effectiveness of various treatments. With the Canary numbering system, dentists will know if the lesions are improving or getting worse.

With the Photothermal Radiometry and Luminescence technology (PTR-LUM), dental practitioners can rely on its consistent and accurate findings.

The Canary System generates a Patient Report that you can print, email or review on the Internet. It engages the patients in their own oral healthcare and progress!



RETURN-ON-INVESTMENT ANALYSES FOR THE CANARY SYSTEM IN FIVE U.S. GENERAL DENTAL PRACTICES

Protocol

The Canary System was used in five US-based dental practices. Scanning and treatment outcomes were recorded over a given time period (2 weeks to 6 months) and anonymized data was provided to Quantum Dental Technologies for analysis.

ADA Codes Used by Canary Dentists

Code	Description
D1351	Sealant – per tooth
D2140	One surface amalgam
D2150	Two surface amalgam
D2160	Three surface amalgam
D2330	One surface, anterior
D2331	Two surface anterior composite
D2391	One surface, posterior
D2392	Two surface, posterior
D2393	Three surfaces, posterior
D2394	Four or more surfaces, posterior
D2950	Core buildup, including any pins
D2999	ICON - interproximal
D2740	Ceramic crown

Return on Investment

- The Canary System found caries which required treatment.
- During each study, an average of 47 patients were scanned with The Canary System, resulting on average of 82 billed restorative procedures per practice for lesions that were not detected visually or with x-rays.
- Over the study period, each practice generated, on average an additional \$21,500 in gross revenue.
- Each practice generated an additional \$387 per treated patient.
- One practice increased their sealant placement by 80 sealants per month by simply scanning posterior teeth to identify suspect areas.
- On average, 60% (77/ 131) of patients scanned with The Canary System required restorative treatment.
- If leased (~\$295/month), payments would be covered by finding just 2 lesions on posterior teeth requiring multi-surface restorations.
- If purchased (\$12,495), The Canary System could be paid off within 1.5 months.

Dr. Bruce Silver, DDS

CITY: Burlington, New Jersey

BRIEF RESUME: Dr. Silver is a family dentist with advanced education in many aspects of dentistry, including laser gum therapy and surgical and restorative implant dentistry



Dr. Richard H. Nagelberg, DDS, PC

CITY: Plymouth Meeting, Pennsylvania

BRIEF RESUME: Dr. Nagelberg is a family dentist in the Philadelphia area. He is an international lecturer and contributor to Dental Economics and RDH magazines.



Dr. John Leitner, DDS

CITY: Grand Haven, Michigan

BRIEF RESUME: Dr. Leitner is a family dentist in the Grand Haven area and is a clinical consultant with Dental Advisor.



Dr. Bruce Thomas, DDS

CITY: Davis, California

BRIEF RESUME: Dr. Thomas has practiced as a family and cosmetic dentist in Davis CA since 1993. He is regularly attending advanced courses in cosmetics, pain relief, and implants.



Dr. Jose Marcano, DMD

CITY: Orlando, Florida

BRIEF RESUME: Dr. Marcano has over twenty years of experience in the Dental field. He is a member of the ADA and has taken numerous courses in laser and cosmetic dentistry.



The Power of Technology to Transform a Dental Practice



Dr. Todd Snyder, DDS, AAACD

Thursday, April 10, 2014



Every year the dental industry goes thru changes, and as business owners we need to stay ahead of the curve if we want to be at the top of our field. Implementing new technologies is one way I accomplish this.

There are always learning curves and implementation issues that arise, so being ready for them is important. It's good to have a plan when you invest in a new technology, but sometimes you don't realize how profoundly it will change the entire way you do dentistry and how you run your business.

This was the case in January 2013 when I became the first dentist in the United States to adopt a new

diagnostic technology—[The Canary System](#). At my practice we have found the implementation of the Canary System to be unlike anything we have ever encountered. It wasn't the learning curve—having opened an office from scratch in 2000 I am well aware of the time it takes to get up and running on many levels when implementing new things. However, I found that the power of this diagnostic tool changed everything I had done, and in turn has created an entirely new business model for my practice.

The traditional model for a general dentist revolves around diagnosing problems and the typical solution is amputation of the problem. Such an aggressive approach is the norm because traditionally these problem pathologies are only discovered at a later state when more conservative treatment modalities are not applicable.

While there have been numerous advances in the dental industry over the years, I have not found anything in the area of diagnostic devices that is as revolutionary as The Canary System. It has the ability to scan a 1.8 mm wide by 5 mm deep area in 6 seconds and can find pathology in the form of a defect within a tooth as small as 50 microns.

The highly effective diagnostic tool allows you to find pathology sooner so that it might be reversed or treated earlier by less invasive forms of dentistry. However, detecting decay this early requires a new approach to both treatment and patient education.

Our implementation approach has been to spend more time during examinations to educate patients on the cause and effect of biofilms, pH, diet, hygiene, oral rinses and therapies. This allows for more compliance with home care

recommendation and an increased desire on the patients' part to have their mouths cleaned and scanned regularly. Patient engagement and involvement within the practice is at an all-time high, and the hygiene department has grown and evolved to offer biofilm air polishers, oral rinses and probiotics.

We have brought in another staff member whose function is to scan patients with The Canary System and provide information in the form of an open conversation on what people can do to help themselves so any issues detected do not progress to the point where they are eventually diagnosed in the later stages of tooth decay or periodontal diseases. This new position also acts as a liaison to both the hygienist and dentist so a plan can be created and implemented based on The Canary System's findings and each patient's needs.

The patient reaction has been so overwhelming within our existing clientele that we have started implementing many of our concepts into local advertising and informative meetings. The Canary System offers a unique marketing opportunity allowing an office to be differentiated from traditional practices. Offering patients a uniquely different standard of care that is interceptive and perhaps less invasive is something all patients would like to receive.

I didn't expect to completely rethink my practice when I added The Canary System to my technology portfolio, but I have no doubt that the new approach it led me to create is providing my patients with the highest level of dental care possible.

Staying up to date on new technologies such as this also has allowed me to set my practice apart from others and being flexible to adapt my practice to maximize my use of new tools such as The Canary System has benefited my patients, my staff and me.

Todd C. Snyder, DDS received his doctorate in dental surgery at the University of California at Los Angeles School of Dentistry. He trained at the prestigious F.A.C.E. institute for complex gnathological and temporomandibular joint disorders (TMD) and is an Accredited member of the American Academy of Cosmetic Dentistry. He has been on the faculty at U.C.L.A. in the Center for Esthetic Dentistry and is currently on the faculty at Esthetic Professionals. Dr. Snyder is a consultant for dental manufacturing companies and has researched and recommended changes for many of the materials now being used in dentistry. Dr. Snyder has authored numerous articles on contemporary restorative and cosmetic dentistry.