

Today, it seems as though new products and technologies are being introduced to the dental profession on a weekly, if not daily basis! How does the savvy clinician avoid information overload, maximize their time while providing the latest in treatment modalities? Well, for starters, the California Dental Hygienists' Association is committed through continuing education, our publications and our new eColleagues e-newsletter (subscribe at [www.cdha.org](http://www.cdha.org)) to providing you the latest and greatest. Let's take a look at some of the newest product and technology innovations designed to enhance your practice and treatment outcomes.

## Innovations for Assessment

### *Loupes Light - Feather Light: So Light, It's Brilliant™ The Lightest and Smallest LED Loupe Light Guaranteed*

Lightest and smallest LED loupe light on the market means maximum comfort and style. 1/3 the weight of its competitors! It weighs only



*Ultralight Optics –  
[www.ultralightoptics.com](http://www.ultralightoptics.com)*

0.16oz (4.5g), compared to 0.5oz of much heavier LED lights. This 3 watt LED produces up to 39,000 lux (3,600 foot candles) and lasts up to 50,000 hours, virtually eliminates bulb replacement.

The Advanced High Capacity Rechargeable Lithium ion battery pack gives you approximately

8.5 hours of consistent brightness. Fully adjustable intensity lets you decide how bright you want it.

Compatible with Designs for Vision, Orascoptic, Surgitel, SheerVision, Optivision Industries, Q-Optics, Carl Zeiss, Rose, and Eagle dental loupes.

### *Dental R.A.T.™ – Hands-free charting a toe away!*



*Dental R.A.T. –  
[www.dentalrat.com](http://www.dentalrat.com)*

If you haven't heard or seen the Dental R.A.T you are in for a treat. The Dental R.A.T. is a simple and powerful tool for streamlining your computerized periodontal charting. It works with your current dental software. The Dental R.A.T is a simple foot-operated mouse that enables the most effective,

consistent hands free-periodontal charting solution available.

Hands-Free Perio Charting means you can free up your dental assistants and run a more efficient office. The Dental R.A.T. is simple to operate, provides a high return on investment, protects your patients' privacy, improves perio charting efficiency and accuracy, eliminates cross-contamination, and increases your staff productivity.

### *Midwest Caries I.D.™ Detection Instrument*



*Dentsply Professional –  
[www.cariesid.com](http://www.cariesid.com)*

This addition to minimally invasive dental caries detection has a claimed detection rate of 92% for occlusal caries and 80% of interproximal caries and functions in a wet field. Audible and visual alerts will signal caries suspected areas. This lightweight device is autoclavable with low energy

consumption. The Midwest Caries I.D.™ uses Light Emitting Diode (LED) and fiber optic technologies to accurately detect both occlusal and interproximal caries. The presence of either type of lesion is identified by 2 signals: an audible tone, and a visual signal on the tooth. It requires only a clean tooth surface, free of plaque and calculus prior to use to be effective.

- Absence of the red light and audible tone indicates healthy tooth structure.
- Presence of the red light and audible tone indicates decalcification of tooth structure.

During the tooth surface mapping, the handpiece will emit beeps ranging in speed (from slow to rapid) while illuminating the tooth red to indicate the presence and location of caries.

The aim of the Midwest Caries I.D.™ is to enhance the detection of caries by augmenting the clinicians' knowledge of caries development. A large positive detection surface indicates a strong possibility of a large quantity of underlying decay.

## Innovations for Caries Control

### *Cervitec® Plus - An innovative new protective varnish containing chlorhexidine.*

Cervitec Plus is the protective varnish for ensuring the quality of restorative work and for professional protection. The varnish contains the proven combination of chlorhexidine and thymol as the active ingredients. Cervitec Plus is used to protect exposed root surfaces and sensitive or at-risk areas.

Indications include hypersensitivity, gingivitis, high s. mutans counts as seen in orthodontic patients, inadequate oral hygiene, xerostomia



Ivoclar Vivadent North America – [www.ivoclarvivadent.us](http://www.ivoclarvivadent.us)

patients, or to prevent transmission between family members.

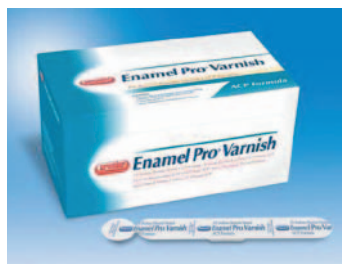
The application is exceptionally easy. The clear varnish is applied exactly where it is needed. It is well-tolerated and looks natural.

The reported advantages include sealing of exposed dentin tubules; selective treatment of

highly susceptible areas; long-term availability of active ingredients; highly effective low dose of 1% chlorhexidine plus 1% thymol (as the solvent evaporates the resulting concentration of chlorhexidine is 10%) and prevention of the side effects commonly associated with chlorhexidine.

### **Enamel Pro® 5% NaF Varnish – the only varnish formulated to deliver ACP**

Enamel Pro 5% NaF White Fluoride Varnish deposits ACP (Amorphous Calcium Phosphate) to remineralization of tooth enamel. This is the only varnish with ACP and it prevents the loss of enamel, desensitizes dentin, desensitizes by depositing ACP and fluoride into the tubules, ACP crystallizes and forms



Premier Products Company – [www.premusa.com](http://www.premusa.com)

apatite - tooth-like mineral, provides 3x more available fluoride to all tooth surfaces and delivers 2x more fluoride uptake into the enamel.

The American Dental Association Guidelines for Professional Topical Fluoride Use support the use of fluoride varnish as an effective means to prevent and treat caries. For the full ADA Council report visit the ADA website at: [www.ada.org](http://www.ada.org) and search for “professionally applied topical fluoride”.

### **Innovations for Delivering Periodontal Care**

#### **Symmetry IQ® 4000 – Illumination combined with medicament delivery system**

The Hu-Friedy Symmetry IQ piezo products are designed to optimize patient chair time and lengthen practitioner careers by delivering superior performance and efficiency. Its large-diameter lightweight handpiece featuring fiber-optic illumination delivers unsurpassed ergonomics, while its state-of-the-art circuitry, touchpad controls and compact design improve practice productivity.

With the introduction of the Symmetry IQ 4000 Series, practitioners may now benefit from a dual irrigation system for access to medica-

ment and municipal water at the touch of a button. In addition, the Symmetry IQ 4000 offers an auto-purge feature that simplifies



Hu-Friedy Manufacturing Company – [www.hufriedy.com](http://www.hufriedy.com)

removal of residual medicament. Two self-contained fluid bottles and individual fluid controls further enhance the convenience and ease of use experienced with Symmetry IQ.

Hu-Friedy also offers a broad range of Symmetry Piezo tip designs to meet your clinical needs, including scaling, thin perio, curette style, and diamond-coated. S-Series tips are compatible with the

Hu-Friedy Symmetry IQ generator line as well as all Satelec and NSK generators. E-Series tips are compatible with all EMS generators.

#### **InSight™ LED Inserts – From Vision Comes Insight!**



Discus Dental – [www.discusdental.com](http://www.discusdental.com)

The InSight LED ultrasonic scaler insert is the latest innovation in powered scaling which 'lights' the way with circular dual-LED illumination and is designed to maximize scaling efficiency and effectiveness. The bright LED improves

visibility, especially in the posterior regions, while also providing the opportunity for transillumination of subgingival deposits.

The inserts' smooth swivel mechanism provides comfortable, neutral wrist and shoulder positioning without cord tension or twisting. Additionally, the inserts' PrecisionFlow water delivery sprays water from the tip itself, reducing lavage for enhanced patient comfort and improved visibility.

The inserts are compatible with most magnetostrictive ultrasonic scalers and come in a variety of tip styles.

### **Innovations for Daily Care**

#### **FlexCare® with Brush Head Sanitizer by Sonicare**

FlexCare is the ultimate in sonic toothbrush innovations from the makers of Sonicare – this brush redefines 'clean'. The FlexCare includes Clean, Sensitive and Massage modes to meet the specific needs of the individual user.



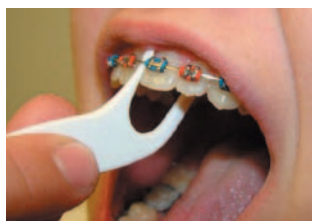
Philips/Sonicare – [www.sonicare.com](http://www.sonicare.com)

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It is programmed for individualized care routines as well. The ProResults brush head provides a wider bristle sweep with a uniquely angled neck for increased tooth coverage and superior deep clean, even in the hardest to reach areas.

In addition to the Smartimer & Quadpacer features, the FlexCare is available with a UV brush head sanitizer that kills up to 99% of selected bacteria and viruses.

### **Platypus Orthodontic Flosser – Eliminates the need for floss threaders**



Paradise Dental Technologies –  
[www.pdtdental.com](http://www.pdtdental.com)

Paradise Dental Technologies has introduced a revolutionary orthodontic flossing device, the Platypus Ortho Flosser.

Traditionally, patients with braces have had to thread floss under the wire for every tooth. This often takes up to 15 minutes. Now with the Platypus, a patient can floss

his or her mouth in one to two minutes, and allows the user to slide easily under arch wires to access interdental areas, thus eliminating the need for traditional floss threaders.

The Platypus is efficient and simple to use. It can increase patient compliance up to 80%.

"Six months ago, Laura presented like most 11-year-old orthodontic patients, with inflamed tissue and plaque around her brackets," Scott Green, DMD, from Frenchtown, MT, said, "On this recall, her gums were pink and there was no plaque. The Platypus made a big difference."

### **Salese™ – Eases xerostomia!**



Nurova – [www.nurovainc.com](http://www.nurovainc.com)

Salese is a slow dissolving soft lozenge that delivers essential oils and other beneficial ingredients (including xylitol & zinc) to improve oral hygiene and fight the symptoms of dry mouth patients. Salese is a sustained release product that delivers active ingredi-

ents efficiently and continuously in small doses, up to 1,000 times less than conventional mouthwash.

The extended contact with beneficial agents increases both the oral hygiene benefits and the fresh mouth-feel essential to those suffering from Dry Mouth. Patients require less product during the course of a day and derive greater benefits, with no exposure to

highly concentrated ingredients. Salese is sugar and alcohol free, less than one calorie, and helps maintain a healthy pH balance in the mouth. Salese also contains Xylitol.

The key to Salese's long lasting properties is Nuvora's patented Sure™ Technology. The product's unique structural combination of active ingredients built upon an advanced polymer delivery system ensures continuous release of agents for a continuous fresh-mouth sensation. Salese is an over the counter medication but is not readily available in pharmacies now, but can be ordered online at the web page listed above.

### **GUM® Chlorhexidine Gluconate Oral Rinse USP, 0.12% – The first and only alcohol-free, FDA-approved chlorhexidine rinse!**



Sunstar Americas –  
[www.sunstaramericas.com](http://www.sunstaramericas.com)

Alcohol-free Chlorhexidine Gluconate Oral Rinse USP, 0.12% from GUM® helps all your patients gain from their gingivitis treatment – without alcohol.

- A fresh alternative for effective gingivitis care.
- Therapeutically equivalent to Peridex®
- Contains 0% alcohol vs. 11.6% alcohol in all other chlorhexidine rinses marketed in the US.

In a recent market research study, 75% of dentists said they would be more likely to dispense an alcohol-free Chlorhexidine Gluconate oral rinse than dispense the rinse they currently use.

### **Innovation Connections**

Clinicians can also keep up to date on the latest innovations by subscribing to e-newsletters from groups like [www.Dentalcompare.com](http://www.Dentalcompare.com); [www.Hygienetown.com](http://www.Hygienetown.com) and e-Village® from the RDH Magazine group ([www.rdhmag.com](http://www.rdhmag.com)). As the editor of hygiene for [www.Dentalcompare.com](http://www.Dentalcompare.com), I invite you to sign up for the bi-monthly dental hygiene e-newsletter for the latest innovation, national news relating to our profession and for a listing of national continuing education opportunities for the dental hygienist. HygieneTown provides an excellent resource of product information as well as the opportunity to post questions and respond to fellow colleagues across the globe! And eVillage provides a well formatted e-newsletter with the latest product information, timely editorial and industry news.

Regardless of your method, technology is advancing and it behooves the savvy clinician to explore, experience, and integrate these treatment modalities to achieve optimal oral health!