Flash your badge and save

That badge hanging around your neck is worth much more than just entrance to a variety of seminars, workshops and the exhibit hall. It is also worth money—in the form of discounts at a myriad of restaurants and shops around the area.

To make sure you make the most of your badge, check out our list, then go hit the town.

Attractions
- 60 minutes in an authentic F-16 jet fighter flight simulator. The offer is good for up to seven pilots. Reservations are required.
- Bowers Museum: 2002 N. Main St., Santa Ana, (714) 567-3600. Show badge and receive 10 percent off at gift shop.
- Pirate’s Dinner Adventure: 7600 Beach Blvd., Buena Park, (866) 439-2469. Get 50 percent off general admission price. Reservations required.

Ready, set, go!

CDA Presents The Art and Science of Dentistry features cutting-edge technology, new products and educational opportunities.

More than 27,000 dental professionals from across the United States are on hand here in sunny Anaheim for CDA Presents The Art and Science of Dentistry. The meeting, running today through Saturday, offers educational courses plus 135,000 square feet of exhibit space, where approximately 600 exhibitors are demonstrating new techniques as well as showing off innovative products and services.

Let’s take a look at some of the many highlights of the meeting.

See READY, page 2

See BADGE, page 2
Pedicatric Dentistry Symposium

The Pediatric Dentistry Symposium, to be presented today from 9 a.m. to noon, is designed to give an overview of traditional dentistry techniques as well as some clinically sound alternatives. Attendees of this lecture, presented by Joseph Renzi Jr., MA, DDS; Daniela Rodriguez Silva, DDS, MS; and Richard D. Udin, DDS, will learn various aspects of the infant oral exam and understand the importance of establishing a dental home early in a child’s life.

Stay current on periodontal trends

“Emerging Periodontal Therapies Partnering for Optimum Patient Outcomes” will be offered today from 8:30 to 11 a.m. This course, presented by Debra S. Finney, MS, DDS, Paulo M. Camargo, DDS, Elinor H. DDS, and Perry R. Klokkevold, DDS, MS, FACD, will feature the shared potentials for the restorative dental team and the periodontal specialist. It will bring together the essentials of periodontics as they influence restorative outcomes along with current periodontal trends for continued success.

How to treat ‘meth mouth’

“Methamphetamines — Destruction of Mouths, Lives and Communities” will be presented Saturday from 8:30 to 11 a.m. and again from 12:30 to 3 p.m. Through this workshop, moderated by Brett H. Kessler, DDS, FACD, attendees will learn trends in drug addiction and abuse and how to identify and treat “meth mouth.”

Participants will leave this lecture with a few intervention techniques that can positively impact patients’ overall well-being and an understanding of why professional addiction treatment is far more effective than trying to manage it alone.

Learn powerful words

“Some Days You’re the Pigeon, Some Days the Statue” will be presented on Saturday from 8:30 to 11 a.m. Lecture attendees can expect to laugh and learn as one of the country’s funniest and most sought-after dental speakers, Dave Weber, discusses what many clinicians and staff feel is the most challenging part of their practices — the people.

This workshop will teach participants the six most powerful words in the English language and when to use them.

Get your app

A free app for CDA Presents is available for smartphones and tablets. The app contains up-to-date show news and allows easy access to schedules, speaker information, exhibitor listings, social media and real-time alerts. It is available in the iTunes App Store, Android Market and at www.cdpresents.com.

New products

Some of the cool products available in Anaheim include Carestream Dental’s CS 1600 intraoral camera, MISImplants Technologies’ PerioPatch and Air Techniques’ Mojave Dry Vacuum. CDA Presents has the West Coast premiere of 140 must-see new products.

The trade show schedule is as follows:

- Today: 9 a.m. to 5:30 p.m.
- Friday: 9 a.m. to 5:30 p.m.
- Saturday: 9 a.m. to 4:30 p.m.
- Family hours: 9:30 a.m. to noon each day.

(Source: CDA)
A DIFFERENCE YOU CAN SEE!

NEW!

BeautiSealant
Fluoride Releasing Pit & Fissure Sealant System

- Ideal handling and viscosity; eliminate voids with bubble-free consistency
- Radiopacity equal to dentin
- Unique cariostatic properties
- High shear bond strength without phosphoric acid etch or rinse required
- Four easy steps; 30 second application

Visit Us
Booth#1128

Smart Products for a Healthy Smile

Visit www.shofu.com or call 800.827.4638

Savings
Buy $250, Get 1 FREE

Savings
Buy $500, Get 2 FREE
Here at CDA: what to know

Where
Anaheim Convention Center,
800 W. Katella

Information
(800) 232-7645 or www.cdapresents.com/
Anaheim2012.aspx

Hours
• Registration, ticket sales and tote bag pick up at the Anaheim Convention Center: 6:30 a.m.–5:30 p.m. today, 6:30 a.m.–4:30 p.m. Saturday.
• Tote bag and lanyard pick up at the Hilton Anaheim Hotel: 7 a.m.–3 p.m. today, 7 a.m.-3 p.m. Friday and 8 a.m.–noon Saturday.
• Exhibition hall: 9:30 a.m.–5:30 p.m. today, 9:30 a.m.–5:30 p.m. Friday, 9:30 a.m.–3:30 p.m. Saturday.
• Table clinics: noon–2 p.m. Friday and Saturday.

Traffic and parking
Parking is available at the convention center and off-site locations. If you have a pre-paid parking voucher, you must arrive before 8:30 a.m. for it to be valid. Shuttles to the convention center are available from off-site parking lots.

Shuttles
Shuttles between official show hotels (Disneyland Hotel, Disney’s Paradise Pier, Disney’s Grand Californian, Howard Johnson Plaza Hotel, Desert Palm Hotel & Suites, Doubletree, Embassy Suites and the Hyatt Regency) and the convention center run about every 20 minutes from 6:30 a.m.–7:30 p.m. today and Friday and from 7 a.m.–6 p.m. on Saturday.

Dinner reservations
There is a restaurant desk in the convention center lobby to answer your questions and assist you with making reservations.

Food options
A variety of food is available in the convention center concession areas. Menu options include specialty coffee and breakfast items, Grab ’n Go for lunch, Mexican taqueria, made-to-order sandwiches, all-American grill, barbecue, rice bowls and pizza.

Coat/baggage check
A coat/baggage/stroller check is available near the registration area in the convention center for $2 per item.

Children’s services
Children younger than 10 are permitted daily in the exhibit hall from 9:30 a.m.–noon only. The CDA provides a KiddieCorp child-care program at the Hilton Anaheim Hotel. The cost ranges from $20 for a half day to $40 for a full day per child ages 6 months to 6 years.

Another program for children ages 7–12 will keep your kids entertained while you attend lectures or visit the exhibit floor. Activities, games and movies will be provided in a structured environment. Fees for this program are $15 for half day and $30 for the full day.

Children are not permitted in the lectures or workshops, and strollers are not permitted on the exhibit floor. Questions regarding the children’s program can be directed to KiddieCorp at (858) 455-1718 or info@kiddiecorp.com.

C.E. credits
Arrival and departure times are used to issue C.E. credits. You will need to scan upon entry and exit, and must remain in the course for the entire time. Partial credit cannot be granted. Go to the C.E. Pavilion after attending class. There you will verify your C.E. units as well as take a brief survey for each course attended. For your convenience, you can wait until you have attended all of your courses, or you can visit the CDA’s website up to five days after the show.

The Spot
The Spot is a lounge that offers attendees activity areas and a place to relax, check e-mail or have a cup of coffee with a friend. The contemporary lounge features a Cool Product display, Net Café and charging station, a C.E. Pavilion after attending class. There you will verify your C.E. units as well as take a brief survey for each course attended. For your convenience, you can wait until you have attended all of your courses, or you can visit the CDA’s website up to five days after the show.

Ad

Attendees spend some time at The Spot during last year’s CDA. Photo/Robin Goodman, Dental Tribune

Learn how Occlusion and Aesthetics
Go Hand in Hand

Core 1
Advanced Functional Restorative Dentistry
The Power of Physiologic Based Occlusion

CORE I
is an exciting three-day hands-on course that is designed to show you how to evaluate which cases to treat and how to gain treatment acceptance from your patients using advanced restorative dentistry. This program is designed to increase the level of comprehensive care and enhance the lives of your patients, excite your team and increase the fun and passion you have at work!

www.lvglobal.com
OR 888.584.3237 FOR INFO

What's inside your metal syringe tip?

FlashTips™
Disposable Air/Water Syringe Tips

Now, help prevent cross contamination in seconds... with FlashTips™!

Your metal tip's tiny chamber could be home to a nasty buildup from blood, saliva, dental materials and tip corrosion. Over time, that buildup gets harder and harder to properly clean and sterilize. Don’t take the risk anymore! FlashTips are the fast, easy answer... for you, your practice and your patients.

For more info visit www.flashtips.net

Saving lives every day

By Bill Dickerson, DDS, LVIM
Founder and CEO of LVI

It's well known that we in dentistry can change people's lives through cosmetic or neuromuscular dentistry, building their self-esteem or eliminating a lifetime of CMD pain. I've always said we are blessed to be in a profession that is so important, where we can change people's lives for the better. There are not many occupations out there than can say that.

But what is less known is dentistry's ability to save people's lives. What could be more powerful than that? Of course, I'm talking about treating obstructive sleep apnea (OSA), which takes the lives of so many people every year.

Most patients who suffer from OSA are unaware of this condition. To make matters worse, their physicians focus on the co-morbidities they present with, such as high blood pressure, GERD, etc. The physician then prescribes cures for such co-morbidities without looking for a root cause. Also, statistics show that nearly 85 percent of physicians who are not sleep specialists do not even “screen” for OSA.

I would like to share a very personal experience with this aspect of dentistry. My brother was OSA positive. He had gone to a sleep physician who sent him for a PSG and found he had an AHI of 36.4, which became 53.3 during REM sleep.

For those of you unfamiliar with these terms, that indicated my brother had severe obstructive sleep apnea. His lowest O2 saturation was 71 percent. He was in the risk category for an early death.

He was prescribed a CPAP, which he hated and wasn't wearing regularly, but it got his AHI down to 10. However, it was pretty much worthless because he wouldn't use it during sleep.

I made my brother an LVI Somnomed (lingualless), which he loved. But I had him do both CPAP and the appliance for a while. This was all done last February (a year ago), and he reported he felt great.

Recently, he informed me he was no longer using the CPAP, just the appliance I made him, and we scheduled him to be retested.

His AHI was 4.8! That's right — normal! His average O2 saturation was 95.3 percent with the lowest being 87 percent. Making it even better is that he slept on his back only 6.7 percent of the time, but that amounted to an AHI of 18 percent during these times compared with his 3.9 percent for non-supine positions (most of the time he slept on his left side). If he can prevent himself from sleeping on his back, he would be even better off.

It should be noted we took the bite in his LVI neuromuscular position, and he titrated the appliance only 0.8 mm forward from that position.

For those of you who treat OSA, you will realize that is amazing. He has no trouble getting his teeth together after using the appliance and is totally comfortable using it with no adverse symptoms.

I would encourage every dentist out there to get involved in this area of treatment for your patients and would encourage all of you to take the “Physiologic Approach to Dental Sleep Medicine” at LVI to learn how to do this properly. All sleep programs are not the same.

Many of you know that our tagline at LVI is “Changing lives daily.” We should add, “Saving lives daily!”

More information
For more information on LVI and its “Physiologic Approach to Dental Sleep Medicine,” go online to www.lviglobal.com.

For those of you who treat OSA, you will realize that is amazing. He has no trouble getting his teeth together after using the appliance and is totally comfortable using it with no adverse symptoms.

I would encourage every dentist out there to get involved in this area of treatment for your patients and would encourage all of you to take the “Physiologic Approach to Dental Sleep Medicine” at LVI to learn how to do this properly. All sleep programs are not the same.

Many of you know that our tagline at LVI is “Changing lives daily.” We should add, “Saving lives daily!”

Are you still hiding from your x-ray? Why?

With its cordless handheld design, the NOMAD Pro offers the highest level of safety, quality, and patient care for your dental practice. Providing hundreds of images from one battery charge, it goes easily from operatory to operatory, in or out of the office. And you can stay with the patient through the entire procedure. So why hide?

Call your equipment dealer for more information or to arrange for a demo.

For more information:
1-888-340-5522
www.aribex.com

CDA Booth #2534
“Open wide” is merely the opening line of an engaging story between you and your patients.

From there, the conversation moves to how much they love skateboarding, eating vanilla swirl ice cream, or family picnics.

By delivering great oral care in the office, your patient’s journey to a healthier mouth and more fulfilling mindset has begun. Our at-home patient-based solutions help them continue a great oral health routine after they leave. We share your passion for helping patients more fully engage in their lives, whether it’s acing that job interview or making plans for that white wedding. Stories you’ll hear more about at their next visit.

To see the compelling solutions tailored for your patients, please visit dentalcare.com.
Special pricing and services offered on preventative dentistry products

Visit oralcarepro.com for more information on the full line of products from Arm & Hammer, Orajel and Spinbrush

The Church & Dwight Oral Care website for dental professionals, www.oralcarepro.com, provides information on a wide variety of top-brand dentifrice, toothbrushes and other preventative dentistry products.

Professionals can purchase at discounted prices by calling (800) 447-6666. There are no contracts or minimum purchases required.

Flexible payment options are available. You also receive automatic shipment of your choice of products based on the frequency you select: quarterly, bimonthly or monthly.

Whenever your purchases hit at least $250 total in a quarter, you receive a free case of Arm & Hammer® toothpaste.

The three main brands represented are Arm & Hammer, Orajel® and Arm & Hammer Spinbrush®. A wide selection of products is available within each brand family.

For example, the Arm & Hammer toothpaste selection includes Sensitive Multi Protection, Sensitive Whitening, Sensitive Freshening and Complete Care Plus Enamel Strengthening as well as the Whitening Booster product.

The Arm and Hammer Spinbrush Battery-Powered Toothbrush choices include Pro Sensitive, Pro Clean, Pro Whitening, Pro Clean Sonic, Pro Clean Sonic Recharge, Kids My Way for boys or girls, Swirl and Globrush as well as replacement heads for all of the applicable products.

Orajel products include My Way Fluoride-Free Toddler Toothpaste, My Way Anticavity Fluoride Toothpaste, Tooth & Gum Cleanser, Toddler Training Toothpaste, Teething Pain Relief Single Use Swabs, Baby Orajel Naturals Teething Pain Relief Gel and Baby Orajel Naturals Teething Pain Relief Tablets.

You can call (800) 447-6666 to place an order or ask questions, 9 a.m. to 5 p.m. (EDT), Monday through Friday.

The website, the 800 phone number and the special professional pricing are intended for use by only licensed dentists, registered dental hygienists, licensed medical professionals and their staff.

(Source: Church & Dwight Oral Care)

Dental Tribune Show Dailies strives to maintain the utmost accuracy in its news and clinical reports. If you find a factual error or content that requires clarification, please report the details to Managing Editor Kristine Colker at k.colker@dental-tribune.com.

Corrections
Finish Strong.

Nice job with the prep. The impression. The fabrication. 
Now, finish it with Calibra® Cement.

It’s strong. It’s beautiful. And with our new light cure veneer kit and dual cure automix syringes, Calibra® cement is easier to use in the final steps of all your esthetic indirect restorations. So you can work faster to deliver uncompromising esthetics and strength. Contact your DENTSPLY Caulk representative, or visit www.CalibraCement.com today.
Quality control achieved by controlling everything

At NSK, it’s all in-house: researching, developing, manufacturing, testing, improving

NSK uses more than 17,000 precision parts, each to be rotary cutting instruments and accessories, which include handpieces and tips used by dental professionals for restorations, prosthodontics, oral hygiene, laboratory work and surgery.

Considering the market’s ongoing demand for ever-more precise, strong and compact instruments, that’s not really surprising.

The surprising part is this: Out of those 17,000-plus parts, NSK manufactures more than 85 percent in-house. The company even designs and builds the equipment it uses to manufacture and test those parts — so it can ensure micrometer-order accuracy. It’s all part of an obsessive focus on quality control that dates back to the company’s founding in Japan in 1930.

Today, NSK products have proven their worth in more than 130 countries — including the United States, which in 1984 saw the company’s first overseas expansion with establishment of NSK America, now called NSK Dental.

The philosophy of building the machines to build the parts to build the product has followed the company into every market it enters. The organization’s overall management structure puts control at regional levels to ensure prompt product delivery and responsive after-sales servicing. Just as important, it’s within the various regions that the company constantly solicits feedback from users of its products. Its goal is to be able to swiftly respond to local needs.

This ability to quickly respond to local demand trends goes directly back to NSK’s in-house control over every step of the research, development and manufacturing process. As an example, because of growing interest in products that combine mechanics and electronics, NSK has formed a specialized group of engineers looking specifically at such applications.

Also supporting the company’s quick-to-respond product-development efforts are its in-house electro magnetic compatibility (EMC) standard test facilities. EMC standards for medical equipment are stricter than those for general consumer appliances. Ensuring EMC compliance at the earliest stages of research and development helps NSK shorten the overall product-development process.

It’s all about the hand

Control of all aspects of the development process helps NSK ensure timely regulatory compliance, improve reliability and speed up development time. But even more critical to NSK is the direct channel its processes create between end users and product developers. With its dental instruments in particular, much of the focus goes directly to the hand of the end user.

“Handpieces and the Human Hand — Powerful Partners” is the company’s core branding message. A guiding philosophy is that a medical apparatus must work in the dental professional’s hand first, or it’s not worth expending all of the quality control efforts that go into its creation.

NSK defines another of its trademarked messages, “Expect Perfection,” also from the perspective of the product’s users. The phrase is meant to reflect the company’s dedication to “close consultation with dental professionals” as central to any product-development effort.

NSK has precise measurement standards for achieving quality control with its ultra-fine parts processing techniques. But it takes more than numbers to measure performance of a complete apparatus and operating system. That’s where a user-oriented design philosophy becomes critical. The ultimate goal is an ergonomic design that becomes an extension of the dental professional’s hand, transmitting intentions of delicate hand movements promptly and precisely to the target.

Only after the need or concept expressed by the end user is in place does creation and manufacturing of the instrument (and its individual parts) begin. It is at this phase that each part typically goes through six to eight processes prior to completion. Every worker involved with any part bears responsibility for quality in all processes. If any defect is spotted, the part must be brought into micro-order tolerance or removed from the process. State-of-the-art processing machinery further protects the company’s goal of guaranteeing 100 percent quality.

NSK production workers are constantly improving their skills, with more-experienced workers providing colleagues comprehensive training.

Quality focus includes environment

Looking at its mission from a broader perspective, NSK also demonstrates a strong commitment to minimizing environmental impacts of its manufacturing, distribution, sales and support systems.

The company has achieved the ISO 14001 environmental management standard, with the certification earned from what is considered one of the strictest certifier authorities, TUV CERT in Germany. Achieving the ISO 14001 standard required the design of a comprehensive environmental management system and an environmental plan encompassing the company’s future vision.

Other certifications NSK has earned include: EN 46001 (stricter guarantee of quality for medical apparatus in Europe), ISO 13485 (an international standard), MDD (93/42/EEC) (European accreditation); and ISO 9001 (the international standard of a guarantee of quality).

Here at the CDA

For more information, contact NSK at (800) 585-4675, e-mail info@nskamericacorp.com, go online to www.nskamerica.com or stop by the NSK booth, No. 140.

Again, control of product development comes into play, with the company modifying processes to save energy and minimize waste at every step of research, development, manufacturing, sales, delivery and support.

The company does not use environmental load chemicals such as chlorofluorocarbons. It has a recycling system that achieves a 97 percent recycling rate for cutting oil, used primarily in metal cutting.

Again, control of its entire manufacturing process enables the company to focus on environmentally friendly materials at the earliest stages of design and development in complement with a focus on durability and energy efficiency.

A tradition of innovation

NSK’s total quality control, end-user focus and track record have earned it a global reputation for innovative advancements in dentistry products.

Recently, these advancements include an ultrasonic scaler and tooth polisher, bone-cutting instruments that employ ultrasonic technologies, a mass-produced all-titanium handpiece body, air turbines with a unified inner race and rotor shaft to achieve vibration-free and silent operation, and the S-Max pico, an ultra-miniature-head handpiece (currently the world’s smallest) for better access and patient comfort.

It adds up to a strong reputation for reliability, responsiveness and high-value contributions to advancements in patient care across all dental sectors, including implant treatment, laboratory techniques, general dentistry and endodontic treatment.

The S-Max pico from NSK, with the world’s smallest head and neck size, was developed based on dentist feedback expressing an unmet need for a smaller-head handpiece.
YOUR CHOICE. YOUR LASER.

FOR A LIMITED TIME, YOU CHOOSE HOW YOU SAVE WHEN ORDERING PICASSO LASER TECHNOLOGY.

3 DAYS LEFT!
SEE US IN BOOTH #1506

ORDER PICASSO LASER TECHNOLOGY TODAY AND CHOOSE TWO FROM THE FOLLOWING:

- Diode Laser: Soft-Tissue Surgical Manuals (digital version) by Dr. Phil Hudson
- Masters of Laser Dentistry 7 CE Live Training Course
- iPad App with Diode Laser Certification Course
- Free Shipping

SHOW ONLY!

EXCLUSIVE BONUS PICK

- One box of bendable disposable tips
- Full-practice certification DVD set

Offer may not be combined with any other offer or discount.
Offer ends May 5, 2012.

©2012 AMD LASERS, LLC. All rights reserved. Rx only.

866.999.2635 | AMDLASERS.COM

A DENTSPY International Company
APR12007 04/12
Clinical benefits of the Inclusive Tooth Replacement Solution

By Darrin W. Wiederhold, DMD, MS, and Bradley C. Bockhorst, DMD

A hallmark of the most successful modern clinicians is the ability to strike a balance between a daily load of 12 to 16 patients and maintaining the same high standard of care. No easy task when it comes to implant cases.

Currently, the manufacturer is responsible for the components, the laboratory for the restoration — after receiving the impressions. Restoratively, that's like erecting a house on an existing foundation, limiting the builder. Proper esthetics requires soft-tissue contouring that begins at implant placement, making stock components less than ideal.

With the new Inclusive® Tooth Replacement Solution from Glidewell Laboratories, custom-designed temporary components allow for immediate provisionlization specific to each patient, and a matching custom impression coping communicates the final gingival architecture to the laboratory. Add the implant, surgical drills, prosthetic guide, final custom abutment and final BioZir® Solid Zirconia restoration (Glidewell) and the clinician receives all the components necessary to place, provisionlize and restore the implant.

The Inclusive Tooth Replacement Solution supports a streamlined workflow that ensures predictability and long-term success. Armed with the endgame in mind and the tools and road map to get there, experienced and novice clinicians can place and restore dental implants with more confidence than before.

Implant treatment workflow
- Consultation and data collection
- Day of surgery protocol
- Healing phase
- Restorative phase: final impressions
- Delivery of final prosthesis

Consultation and data collection
For single-tooth replacement or full-mouth rehabilitation, comprehensive treatment planning is paramount. You'll need:
- Full-arch/upper/lower impressions (PVS)
- Bite registration
- Full-mouth radiographs (panoramic and CBCT scan, as needed. Note: If you do not have a CBCT scanner, refer patient to an imaging center)
- Shade match of existing dentition
- Preoperative photos

Once you've selected a diameter and length of implant, forward the diagnostic materials (impressions, models, bite registration, shade, implant size) to Glidewell for fabrication of the custom components. The laboratory will pour and articulate the models and assemble the components, delivered to you in an all-inclusive box (Fig. 1):
- Prosthetic guide (Fig. 2a)
- Custom temporary abutment (Fig. 2a)
- BioTemp® provisional crown (Glidewell) (Fig. 2a)
- Custom healing abutment (Fig. 2a)
- Custom impression coping (Fig. 2a)
- Surgical drills (Fig. 2b)
- Inclusive Tapered Implant (Glidewell) (Fig. 2b)

Day of surgery protocol
Place the box contents alongside your usual surgical armamentarium. Confirm the prosthetic guide fits snugly around the teeth. Visually confirm the proposed location of the implant osteotomy correlates with your planned location.

After placing the implant, decide based on the level of primary stability whether to place the custom healing abutment or the custom temporary abutment and accompanying BioTemp crown. Either option will begin sculpting the soft-tissue architecture around the implant to develop the future emergence profile.

Here at the CDA
For more information about the Inclusive Tooth Replacement Solution, stop by the Glidewell Laboratories booth, No. 1444:
- BioTemp® provisional crown (Glidewell) (Fig. 2a)
- Custom healing abutment (Fig. 2a)
- Custom impression coping (Fig. 2a)
- Surgical drills (Fig. 2b)
- Inclusive Tapered Implant (Glidewell) (Fig. 2b)

If there is adequate attached tissue, use a tissue punch to remove the soft tissue over the osteotomy site, otherwise, reflect a flap. Note that the margin of the custom temporary abutment is set at approximately 2 mm.

Depending on the thickness of the soft tissue, the abutment can be adjusted and BioTemp crown re-lined. The custom healing abutment or BioTemp crown must be 1 mm to 1.5 mm out of occlusion to avoid occlusal stress.

Store custom impression coping with patient chart for the restorative phase.

Healing phase
Schedule monthly follow-up appointments to ensure osseointegration is progressing and to adjust the provisional restoration.

Restorative phase: final impressions
Upon successful osseointegration, the restorative phase begins. Contours of the custom impression coping match those of the custom healing abutment or custom temporary abutment, so it’s simple to remove the custom abutment, seat the impression coping and take an accurate full-arch final impression using a closed-tray or open-tray.

Complete a simple prescription form included with the original box; select your final custom abutment and final shade for your BioZir or IPS e.max® (Ivoclar Vivadent, Amherst, N.Y.) restoration, and simply forward these items to Glidewell. There are no additional laboratory fees.

Delivery of final prosthesis
On the day of delivery, remove the custom temporary abutment and clean all debris from inside and around the implant. Try in the final Inclusive® Custom Abutment (Glidewell) and BioZir or IPS e.max crown (Fig. 3). Check the contours, contacts and occlusion and adjust as needed.

The final occlusion should be light on the implant-retained crown, with forces directed along the long axis to minimize lateral forces. The abutment screw is tightened to 35 Ncm, head of the abutment screw covered and crown cemented. All excess cement must be removed.

Instruct your patient about home care, and set a recall schedule.
E4D makes the difference for Dr. Pescatore.

“The E4D is more than a piece of equipment, it is an innovation that is taking CAD CAM to the next level.”

- Christopher Pescatore, DMD
Danville, CA

Make the difference for your practice.

The E4D Dentist chairside CAD CAM system offers improved profitability, complete restorative control, and enhanced patient convenience using powder-free laser-based scanning, intuitive design and precision milling – all in your office.

Call 1-877-293-4945 or go to www.e4d.com to see how E4D can make a difference for you.

Copyright © 2011 D4D Technologies. All rights reserved.
Put a curve in those anterior restorations

The Blue View VariStrip contoured anterior matrix, which was first introduced in February in Chicago, is here in Anaheim this week.
Produced by Garrison Dental Solutions of Spring Lake, Mich., the VariStrip is pre-contoured and tapered end to end to allow the clinician to exactly match the height of any anterior tooth.
Said to be ideal for all anterior restorations, you can see VariStrip at either of Garrison’s booths, No. 751 or No. 1552, on the exhibit hall floor.
“We walked across the parking lot to get this concept,” said Tom Garrison, managing partner and co-founder of Garrison Dental Solutions.
“My brother John’s practice is directly across the parking lot from our facility. He and I were talking about other anterior matrix options we have, and he came up with the VariStrip concept. It was a sketch on a sticky note that we turned into a great little device.”
The problem, as Dr. John Garrison described it, was that standard matrix tape is flat, and it needed to be curved to match tooth anatomy.
However, if you simply produced it in a curve, you wouldn’t account for the significant differences in occluso-gingival tooth height. If it could be tapered and curved, a clinician could slide it forward or back interproximally, until it was positioned for an ideal match.
Sounds simple enough.
While the VariStrip is the epitome of simple — a polyester strip with some curves built in — the machine to make them is anything but simple.
“We thought this would be a slam-dunk to produce,” said Tom Garrison. “Wrong!” He explained: “The prototypes weren’t too hard. We hand-stretched the film over a curved metal form, heated it with a hair dryer and then cut it out with scissors. Trying to scale that up to a commercially viable production machine was tough! But our engineers were tenacious, and in the end, they got it.”
You can see the new Blue View VariStrip and all Garrison’s matrix products here at the CDA at either booth No. 751 or booth No. 1552.

[My brother] came up with the VariStrip concept. It was a sketch on a sticky note that we turned into a great little device.’
— Tom Garrison
Hands-on Endodontic Training

World-Class Facility
*Designed for your learning experience*

“Whether you do very little endo or have been doing molars for 10 years you will benefit greatly from this class. Dr. Buchanan’s teaching method allowed for progression from simple to complex cases without feeling lost or overwhelmed. Hands down, the best CE of my 10 year career.”

Dr. Patrick O’Brien, Fayetteville, NC
November 2011 Lab Participant

Free CE Online

Interactive Learning
*User friendly, always updated*

“I just took one of your CE Online courses and I wanted to let you know how impressed I am with your site. Because it was free, I expected that some material would be left out, but just the opposite was true! I gained information I was able to use in practice the very next day, and when I posted a question about the technique, I was amazed how quickly you responded. A really first-rate experience. Thank you!”

CE Online participant comment, December 2011

dentobuchanan.com
Size doesn’t matter

Whether a big or small practice, CAD/CAM will make a difference

By Amy Reynolds, RDA, CDD, CIS

For 14 years, I assisted chairside in a small rural town in Texas (population 6,000 or so), in a single GP office with four operatories. I went through the everyday moments of comforting my patients, taking radiographs, preparing my operatories, pouring up models, disinfecting and sterilizing.

Day in and day out, things stayed the same, until about two years ago when we could suddenly come across digital dentistry. Could this really work in our office? Would our existing patients be interested and receptive to this change? Could we attract new patients with the system? Could we handle the actual fabrication of the restorations? And could we get the same quality restorations we expected and our patients deserved?

The answer to all of these questions is yes! We even made the decision to incorporate chairside CAD/CAM dentistry with the E4D® before we invested in other technology such as digital radiography.

Here are the steps we followed:

1. We chose the E4D® system and saw how great the change can be.
2. We took the time to train on the system and see how great the change can be.
3. We had the courage to buy the system and see how great the change can be.

And could we attract new patients with the system? Could we handle the actual fabrication of the restorations? And could we get the same quality restorations we expected and our patients deserved?

The answer to all of these questions is yes! We even made the decision to incorporate chairside CAD/CAM dentistry with the E4D® before we invested in other technology such as digital radiography.

Here is the E4D® system:

E4D® is a digital dentistry system that allows for the creation of custom restorations based on real-time digital scans of teeth. It uses a special intraoral scanner to capture the shape of the teeth and transfer the data to a computer-aided design program. The program then creates a virtual model of the teeth, which can be modified and refined to create a custom restoration. The restoration is then milled out of a block of ceramic or other material and sent back to the patient.

Chairside digital dentistry works — no doubt about it. It allows for faster and more efficient treatment, as well as improved patient satisfaction. It is a great way for dentists to stay ahead of the curve in the world of dentistry.

Here at the CDA:

Stop by the SolmeteX booth, No. 850. Here at the CDA, we will be showing off our digital dentistry capabilities. We will be offering live demonstrations of our E4D® system, so be sure to stop by and see what we have to offer.

The truth about mercury and amalgam separators

By Al Dubé, National Sales Manager

Dental amalgam is composed of 50 percent mercury by weight. A debate lies in the statement, “Because dental amalgam is amalgam, the mercury is no longer accessible and, therefore, not an environmental issue.”

While it is true the mercury is bound in amalgam, it is also true that mercury leaches from the amalgam in the first minute of contact with tap water, distilled water or oxidizers such as bleach and completely breaks down if it is incinerated or recycled.

Dental mercury’s contribution to the environment is more significant than mercury thermometers were. Now, it is almost impossible to find a mercury thermometer anywhere.1 If compact fluorescent light bulbs (CFLs), based on the 272 million CFLs sold in 2009, were sent to landfills, they would contribute 0.12 metric tons of mercury.2 As such, commercial and industrial facilities are required by law to recycle CFLs. A single amalgam filling contains 350 milligrams of mercury, equivalent to 875 CFLs.

CFL button batteries contributed approximately 2.1 metric tons of mercury to the environment in 2007. Restricted from use in several states, and with pressure from the U.S. Environmental Protection Agency (EPA), use of button batteries are largely no longer in business.

Dental mercury contributions to the environment have been noted by the American Dental Association (ADA) and state associations as being at 0.7 metric tons.3 The report document acknowledging funding by the ADA, with the 0.7 ton conclusion relying heavily on one major assumption regarding the removal efficiency of chairside traps and vacuum pump filters. “A weighted average was utilized to estimate an industry-wide capture efficiency for dental facilities in the United States of approximately 78 percent,” the report said.

This is often rounded to 80 percent in conversation, but in the report, the very next line states, “This capture efficiency assumes that dentists manage chairside traps and vacuum pump filters appropriately, as has been emphasized by the ADA in recent years through education and outreach efforts and recently updated ADA best management practices for amalgam waste (ADA 2004).” The statement seems to suggest 100 percent of the dentists in the United States practice BMPs. Is this an honest assumption?

Survey requesting data on dental wastes were conducted in Seattle and in Dane County, Wis., with similar results. Fifty percent of dentists recycled chairside traps but only 18 percent recycled the vacuum pump filter.4 The surveys showed the non-recycled wastes were tossed in the trash, flushed down the drain or placed in biohazardous wastes.

These facts demonstrate dental mercury contributions are much higher than has been suggested in recent years. Requirements for thermometers, CFLs and button batteries with much less environmental mercury contributions have been enacted. It could soon be the dental community that is next affected.

Dental amalgam discharge is currently regulated in 10 states and several counties and municipalities within the United States. However, this leaves the vast majority of states under what would be loosely called a voluntary program.

The U.S. EPA has in draft form a “Dental Rule” to require the collection and proper disposal of mercury wastes from dental facilities, which includes the mandatory installation of an ISO 11143 amalgam separator. This “Dental Rule,” if enacted, would apply to all dental facilities that place or remove amalgam fillings. It is expected to also have reporting requirements for dental facilities that install and maintain these mercury-bearing wastes, i.e. amalgam.

Installing an amalgam separator will help minimize dental mercury discharges now and into the future. Amalgam separators come in a variety of designs and cost profiles. It is important to understand the total costs of the separator.

Watch out for contracts and hidden fees, such as additional costs for materials and installation time if mounting brackets are not provided. Be wary of promises of extended life beyond 12 months, as the proposed dental rule will require annual replacements of collection containers.

The dental community discharges larger quantities of mercury than most have been led to believe. However, there are some simple steps to minimize the environmental impact of dental mercury.

Follow the ADA’s Best Management Practices and install an amalgam separator.

References

Save $$$ at the CDA with ProRepair and ProScore

$49* On-site Ceramic Rebuilds

ProRepair

EZ Press III™
Ceramic Package
Just $879.99
EZ Press III w/DVD • Smart Cleaner
6 XTend Rebuild Kits • Cap Wrench
Everything you need to begin and more.

3+1 Turbines
Including XTend™ CERAMICS

Visit Us at Booth 2526
1-800-367-3674
www.prorepair.com
www.scoredental.com
prorepair@henryschein.com

*High-speed rebuild services are only available if meeting checklist in good working condition and meets ISO specifications for bar extension force. If not, a new turbine will be required.

Offers available during CDA only (May 3-5, 2013) and cannot be combined with any other offer. Repairs sent to manufacturer are not included in this offer. Must include original ad to be valid. All offers expire 5/18/12.
Witnessing the evolution of digital impression solutions

An interview with dentist Svend W. Carlsen

By 3Shape staff

Since 1982, dentist Svend Carlsen has used various differing intra-oral scanners for taking impressions digitally. "It all started with a digital chairside solution, where we had both the technology to digitally record the tooth and the milling equipment to manufacture the crown. This experience renewed my belief in the technology," Carlsen said. "In the beginning, we were all very enthusiastic about the new technology, but we discovered that results lacked the required accuracy. We were forced to regard our ceramic inserts only as well-functioning mega-fillers. Since then, I have been constantly searching for a digital system that could meet the accuracy challenge."

Carlsen said a little more than a year ago, he attended an event that included a demonstration of 3Shape’s TRIOS system. "This experience renewed my belief that digital imprint technologies could, in fact, fulfill our needs," he said. "Today, we use the 3shape TRIOS system for most of our impressions in the clinic for single-tooth crowns and bridges."

What do you demand of a reliable digital system?

"With most of the digital impression systems that I have used, there has been a need to make small corrections before the final crown could be placed in the patient’s mouth. This should not be necessary. It is also now a great benefit to be able to view an enlarged image of the prepared tooth, with every detail clearly displayed. This enables you to identify and immediately correct areas where the tooth preparation is not sufficiently smooth or sharp. This level of control means that only correct information is sent to the laboratory. It also provides effective control of our own work."

"Patients are rather impressed that we can take an impression so quickly and so easily. I think the high degree of control that dentists can demonstrate with the technology creates a greater sense of security for patients. Patients can follow their own treatment’s details on the screen and thus better understand what it entails."

How does the new system compare to the earlier devices you have tried?

"Previously, you had to apply spray or powder on the teeth before you could scan. This was very annoying because it’s hard to put an even layer of coating on the teeth — and an uneven layer would ruin scan precision. With previous systems, it was also necessary to maintain a completely steady hand while scanning. The slightest movement of the operator or of the operator’s hand was enough to create a useless image."

"The new scanners allow a high degree of movement freedom, and this makes it much easier to get a good picture. Here at our clinic, assistants scan as often as dentists. The system is very intuitive."

You started with a chairside milling system, but the TRIOS system you use today builds on cooperation with the lab. How do you see these two different approaches?

"I know from my own experience that chairside milling systems are tempting for many dentists. But in reality, at least as the technologies stand today, chairside milling is not worth the investment because dentists need to spend too much time perfecting the esthetic details."

"In relation to my business, I have no doubt that it’s better for me to outsource my milling needs. More importantly, skilled dental technicians will usually provide better restorations than dentists can. They are simply better artists and have more practice."

Have digital impression solutions come to stay?

"I think the existence of digital impressions solutions in all offices will soon be taken for granted. Even in a little town such as ours, all four dental clinics are equipped with their own digital impression system."

"Actually, we find that our area’s high-tech profile affects competition because it helps us attract patients from other cities. We also see a clear trend among laboratories. More and more labs are working with advanced digital systems that allow them to mill crowns directly from our digital impressions — without first manufacturing a model. This means that we can get our crowns back from the lab even faster."

About the dentist

Svend Carlsen has been a dentist for more than 50 years and has always actively taken interest in the most advanced technologies within the dental profession. Today, Carlsen runs his Herregaard Center Dental Clinic in Faaborg, Denmark. The clinic uses the 3Shape TRIOS digital impression system on a daily basis.

Aribex NOMAD goes anywhere – almost

Agency restrictions present barriers to care

Thousands of dental offices in the United States and in countries around the world have experienced the quality, proven safety and convenience of the Aribex NOMAD handheld X-ray system (booth No. 2534). Because it is lightweight and rechargeable, the device has also been used to diagnose thousands of individuals in remote areas far from a regular dental operator.

NOMAD has helped dental profession als in treating special needs patients, such as the elderly, the handicapped and those under sedation. Thanks to countless volunteer professionals, it has been proven to be of significant value for dental missions in clinics, orphanages and schools, both throughout the United States and in isolated villages in developing nations.

Here at the CDA

For more information on the NOMAD handheld X-ray, stop by the Aribex booth, No. 2534.

Even after the FDA clears an X-ray device as safe and effective, each state radiation control section must approve the device for use in their state. While most states have approved handheld X-ray devices, some still have not, which means the same NOMAD X-ray device used to help a child in Mozambique is not available in states such as New Hampshire, Kentucky, Maryland, Minnesota, Michigan and Delaware or in Canada. In addition, there are a few states that restrict the use of handheld X-rays to specific circumstances or apply requirements that ultimately discourage use.

"Dentists in restrictive states and in Canada need to let regulators know they want to provide the higher level of care available through handheld X-rays," said Ken Kaufman, president of Aribex.

"NOMAD has been tested extensively and found to be as safe as or even safer than the conventional units dentists are using now."

"State dental associations acknowledge that access to care is a major issue in their state, and the American Dental Association has worked to raise awareness. Still, some state regulators haven’t gotten the message that the NOMAD handheld X-ray is a huge part of the solution. Dentists need to let regulators know what they want.”

Agency restrictions present barriers to care

The FDA recently announced an investigation into foreign-made handheld X-ray devices being sold into the United States over the Internet. None of these units have been approved for use in any state. "Aribex has spent years in painstakingly obtaining state approvals," Kaufman said. "We’re concerned that inferior units being sold illegally will muddy the waters for regulators considering our device in their state. And that will mean additional roadblocks for access to care.
Advances in dental implant impressions

By Gregori M. Kurtzman, DDS, MAGD, FACP, FFFA, FADI, DICOI, DADIA

The Miratray Implant Advanced Tray simplifies the process of taking open tray implant impressions. The tray is provided in three maxillary- and three mandibular-sized trays, and the trays are unique in their design.

The occlusal surface is covered by a transparent foil. This allows identification of the heads of the pins easily introrally. Retention slots and an internal rim provide mechanical retention to retain the impression material within the tray.

Should the practitioner choose to supplement the retention with a PVS adhesive, it is recommended it not be applied to the foil surface, as this may obscure visualization of the pins when inserting the tray to proper depth.

The technique involves filling the tray with an appropriate impression material. The tray is then inserted over the open tray impression heads introrally and pressed down crestally until the top of the impression pins are visible through the transparent foil.

The practitioner then presses the tray further until the pins puncture the foil and are visible protruding through the foil. This contains the impression material within the tray, eliminating the potential problem often seen when using custom or modified stock trays where the impression material obscures the tops of the pins.

Upon setting, the pins are rotated in a counterclockwise fashion and removed from the impression, and the impression is removed introrally. Because of the design of the tray, it can be used in all-implant impression situations, whether the arch is partially dentate or fully edentulous.

Case example

A patient presented ready for the prosthetic phase of a single implant in the maxillary second premolar and an adjacent crown on a natural molar. The treatment plan would restore the implant at the second molar with a custom abutment and restore the site with a cemented bridge with a cantilever pontic at the first premolar.

Following preparation of the molar, an open tray impression abutment was placed on the implant fixture. The Miratray was tried in to verify that it was large enough to capture all of the teeth in the arch without impingement on teeth or soft tissue.

An impression material was injected around the gingival aspect of the open tray impression abutment and the sulcus of the molar preparation. The Miratray was filled with additional impression material and inserted introrally. As the tray was pressed gingivally, the long pin was allowed to perforate the clear foil on the occlusal aspect of the Miratray. Upon setting, the long pin was removed, and the Miratray impression was removed introrally and sent to the laboratory for prosthetic fabrication. A master cast was created from the impression, and the prosthetics were completed and returned for insertion.

References


About the author

Gregori M. Kurtzman, DDS, MAGD, FACP, FFFA, FADI, DICOI, DADIA, is in private general practice in Silver Spring, Md., and is a former assistant clinical professor at the University of Maryland. He has lectured both nationally and internationally and has more than 200 published articles. He is on the editorial board of numerous dental publications, and has earned fellowship in the AGD, AAPP, ACD, ICOI, Pierre Fauchard and Academy of Dentistry International, mastership in the AGD and ICOI, and diplomat status in the ICOI and American Dental Implant Association. He can be contacted at dr_kurtzman@maryland-implants.com.
A revolution in oral care

SockIt! Gel helps to manage and heal oral wounds

By SockIt! Gel staff

Dentistry has seen dramatic developments in materials and techniques, especially in the past 20 years. Dentists provide care to patients as a matter of course that was unthinkable just a few years ago. However, dentistry finds itself still woefully lacking in one area—that of oral wound care.

Various procedures that result in injured tissues are performed every day. Patients may receive a prescription for pain medication, sometimes coupled with instructions to use a rinse to help reduce oral microbial counts, and that is about all.

However, we still do not provide patients with the one thing that is considered the standard of care in treatment of almost any other exposed part of the body: a wound dressing. This is not surprising because current wound dressings are not practical in dentistry.

Wound dressings are hallmarks of proper wound care. Wound dressings perform functions that are requisites for optimal healing: they protect wounds from irritation (and pain) and help reduce microbial contamination. But because of the impracticality of standard oral wound dressings, dental patients have been denied ideal care.

We prescribe narcotics, but these drugs come with their own set of issues. In addition to their toxicities and potential for abuse, they do not provide sufficient pain relief or the relief doesn’t last until patients can safely take another dose. These concerns apply even to over-the-counter drugs such as acetaminophen.

A plethora of bacterial, fungal, protozoal and viral species reside in the human mouth. Many of these are potential pathogens that can delay healing.

In an attempt to address this issue, many dentists resort to various antimicrobial rinses to help prevent infection. However, almost all of these are toxic to some extent and should not be swallowed.

In addition, many of these products contain ingredients such as chlorhexidine, povidone-iodine, etc. that, while effective against bacteria, are toxic to the cells of oral healing.

Wouldn’t it be nice to be able to provide patients with a safe and effective means to achieve constant pain relief, to protect oral wounds from contamination and to promote optimal healing?

SockIt! Oral Hydrogel Wound Dressing is the answer to this pressing need.

SockIt! is a hydrogel wound dressing approved by the FDA for management of any and all oral wounds. SockIt! is ideal for tooth extractions, with periodontal, implant, graft and other procedures, as well as mucosal ulcers, lesions and all injuries to the mouth.

SockIt! signals a revolution in oral wound care because of the benefits it provides and the safety it possesses. SockIt! is unique in composition. It is drug-free. But more than that, SockIt! is composed entirely of all-natural food ingredients.

The specific combination of ingredients is extremely effective in providing the desired benefits, is completely non-toxic and is safe when swallowed. SockIt! has no medical, pharmaceutical or age restrictions associated with its use.

SockIt! provides three important benefits to the patient.

• Fast pain relief without a numb sensation. The patient may apply SockIt! as often as needed for pain relief (true patient-controlled analgesia).

• Protection of wounds from contamination.

• Optimal wound healing. SockIt! is easy to use. Apply SockIt! in the office. Dressing wounds as soon as possible to protect them from contamination is a major tenet in wound care.

Send the syringe with the remainder of the gel home with the patient. Patients should apply SockIt! to the affected area(s) at least four times each day until the syringe is empty. They may apply it more often if needed for pain relief. There are no restrictions to its use.

Dentistry provides a multitude of opportunities to care for oral wounds. According to the ADA, the following numbers of procedures are performed each year in the United States (and for which SockIt! is ideal):

• 46 million tooth extractions
• 500,000 gingivectomy or gingivo-plasty procedures
• 853,000 osseous surgeries
• 500,000 bone-replacement grafts
• Hundreds of thousands of other periodontal procedures
• 2 million surgical implant placements
• 13 million scaling and root planing procedures

That’s a lot of discomfort that should be managed and healing that must occur.

SockIt! safely and effectively addresses both needs. Patients report immediate pain relief with reduced (or no) need for prescription narcotics. Dental professionals report a significant reduction in postoperative complications and faster healing.

Join the revolution in oral care with SockIt! Oral Hydrogel Wound Dressing. Your patients will love you for it!

Use SockIt! with various procedures, including extractions, immediate dentures, laser procedures, implants, hygiene procedures, grafts and more.

Here at the CDA

For more information about SockIt! Gel or to see it for yourself, stop by booth No. 1672.

References


Innovative Products from Suni, the Pioneer in Digital Dentistry

Suniray Intraoral Sensor
The Low Radiation Sensor with Clear Images
- Faster Acquisition Time
- Crystal Clear Images
- Diagnostic Image Enhancers
- Kit Includes: Sensors, imaging software, training, life-time technical support, and 2 year warranty
- Low Radiation
- Compact and Portable Safety Cable Release

Dr. Suni Plus Intraoral Sensor
The Thinnest Sensor
- Long Sensor Warranty
- Intuitive Software functions
- Integrates with all PM
- Kit Includes: Sensor, imaging software, training, life-time technical support, USB Box
- 3 Sizes: 0, 1, & 2
- Superior Patient Comfort
- Durable & Reliable

Visit us at the CDA in Anaheim and test your basketball skills to win great prizes like an iPad or MacBook Laptop. Take a shot at the in-booth basketball hoop, located at Suni booth # 2552 to qualify!

(800) get - suni  www.suni.com/usa

SuniMac Imaging Software, coming soon to a Mac near you!

Suni Medical Imaging unveils an innovative, user-friendly imaging software designed specifically for Mac users—both novice and advanced. SuniMac uses the power and style typically associated with Mac products and includes a streamlined, sleek design, as well as an easy-to-use window dragging feature. SuniMac is extremely user-friendly, providing a full set of tools for image enhancing, note taking, and importing and exporting images. SuniMac will be available to customers in June 2012.

DentalSharing
Presented by Suni

Now, Share and refer images instantly via the web!

Introducing web-based image sharing powered by dentalsharing.com. The innovative dental-sharing feature set allows practitioners to share all images and patient documents easily and instantly, and allows dental professionals to manage the patient information in a safe and secure web-based HIPAA environment.

Call to begin your FREE 30 day trial today!  (800) get - suni  www.suni.com
AMD LASERS shows off its new booth

AMD LASERS, a global leader in affordable dental lasers and dental education, has announced a new booth presence at the CDA Presents The Art and Science of Dentistry. AMD LASERS can be found in booth No. 1506, near one of the main entryways of the exhibition hall and across from its parent company, DENTSPLY International.

The booth will feature three interactive workstations mounted near AMD LASERS’ white wall, with three plasma displays showcasing clinical applications that can be performed with Picasso laser technology. The booth will also feature product display cases, a lounge and end cap kiosks with media displays showcasing promotional and clinical media.

“This is the first major dental trade show where AMD LASERS and DENTSPLY will be in close proximity,” said Alan Miller, president and founder, AMD LASERS. “We look forward to being close to its iconic village, which will help us share the amazing benefits of laser dentistry with more dental professionals.”

Along with a new booth presence, prospective and current laser owners will have the opportunity to see Picasso laser technology in use in lecture topics ranging from esthetics to implants to interdisciplinary care and presented by notable laser clinicians Drs. Paresh Shah and David Little. Lectures will take place both today and on Friday (see the official program for details).

Clinicians will also have the opportunity to experience Picasso laser technology in an interactive, hands-on environment at the “Wonderful World of Lasers in Dentistry,” moderated by Dr. Don Coluzzi, taking place from 10 a.m.–12:30 p.m. and from 2:30–5:30 p.m. today and Friday.

Experience AMD LASERS in booth No. 1506, and also join the community on Facebook at www.facebook.com/oficialamlasers, Twitter at www.twitter.com/amlasers and YouTube at www.youtube.com/amlasers.
DUX Dental is launching its fourth annual ‘Bib-Eze for Boob-Eze’ campaign today here at CDA. The campaign raises money to fight breast cancer while also honoring dental professionals for their day-to-day patient care.

“Dentists, dental assistants and hygienists take good care of their patients, and we want to honor them for the work they do,” said Paul Porteous, CEO and president of DUX Dental. “The Bib-Eze for Boob-Eze campaign does that in two ways. We give dental offices the opportunity to try a great product for free, and second, we make a charitable donation in their name.”

To participate, dental professionals are invited to bring their old, used bib holders to the DUX Dental booth, No. 1216, in exchange for a free box of 250-count Bib-Eze disposable bib holders. DUX will donate $5 to the fight against breast cancer for each bib holder or chain turned in at the booth.

Forgot to bring your bib holders? Offices can send their old bib holders directly to DUX Dental headquarters to participate. Simply download an exchange form at www.bibezeforboobeze.com and send the form and the used bib holders to: “Bib-Eze Exchange,” DUX Dental, 600 E. Hueneme Road, Oxnard, Calif. 93033. DUX will accept bib holder exchanges up until Oct. 31.

“The holders we collect at CDA this week are just the beginning,” said Stacey Williams, marketing director at DUX Dental. “We will be collecting holders until October in hopes of reaching our goal of donating $5,000 to the fight during Breast Cancer Awareness month.”

Peggy Lee, a registered dental hygienist for the past 32 years, participated in last year’s Bib-Eze for Boob-Eze program and expressed appreciation for DUX’s support of breast cancer causes.

“As a 12-year breast cancer survivor, I’m always appreciative of the public’s support of breast cancer research and treatment,” Lee said. “It’s even more special when a member of the dental community — and one as respected as DUX Dental — devotes its time and resources to ensure breast cancer causes remain a priority and receive continual support.”

DUX says it gives a portion of the annual sales of Bib-Eze to support breast cancer research or treatment efforts. The company has contributed thousands of dollars to the cause since introducing the Bib-Eze product.
BeautiSealant: A faster way to seal

For decades, dentists and hygienists have had no alternative but to use harsh phosphoric acid etching to improve the bondability of dental sealants to enamel. In doing so, they have lost countless hours to applying acids, waiting, rinsing and drying.

With all these added steps, perhaps the greater issue is how many failures have resulted from trying to shortcut procedures? Indeed, working with phosphoric acid is always a double-edged sword. If not left on long enough, one risks failure; leave it on too long and healthy enamel is eroded.

Thanks to advances in adhesive technology and a new pit and fissure sealant from Shofu, dental professionals don’t have to choose between a secure bond and lost time and preservation of tooth structure anymore.

BeautiSealant from Shofu is a faster, easier and gentler pit and fissure sealant system that completely eliminates the need for phosphoric acid etch and rinse steps, while still maintaining equivalent bond strengths to acid etched competitors. Considering these steps represent a 40 percent to 60 percent reduction in working time, that extra productivity can go a long way toward keeping a practice profitable. In these difficult economic times, every liberated minute counts.

Fast application

The instructions for BeautiSealant are simple:
- Apply the Primer to a clean tooth and leave for five seconds.
- Air-dry five seconds.
- Apply the sealant.
- Light-cure 10 seconds LED (20 seconds Halogen).

Secure bond, gentle on enamel

BeautiSealant Primer contains dual-adhesive monomers (carboxylic and phosphonic acid) that thoroughly penetrate and prepare pits and fissures for bonding to the sealant, forming a chemical bond to calcium in the enamel. Unlike traditional sealants, which require phosphoric acid etching, severely demineralizing and dehydrating healthy teeth, Shofu’s selfetching primer is significantly less acidic, helping to preserve healthy tooth structure. Despite this lack of acid etch and rinse steps and a HEMA-free composition, shear bond strengths remain at levels that meet or exceed market-leading sealants at 19.5 MPa.

Smooth application

BeautiSealant Sealing is an easy-to-apply sealant, optimized for smooth, bubble-free consistency. Achieve precise delivery without the common issue of overfilling with a specially designed no-ooze syringe and a tiny 0.27 gauge needle tip. This improved control over the flowability of the sealant allows placement of just the right amount of material, reducing the common occurrence of overfilling.

Sustained remineralization from glass fillers

Shofu’s proprietary Surface Pre-Reacted Glass (S-PRG) filler particles are not only pre-charged with fluoride during manufacturing, they also recharge when fluoride concentrations in the mouth are high. Simply put, household dental hygiene products, such as fluoride toothpaste, allow BeautiSealant to provide sustained remineralization benefits to adjacent tooth structure over the life of the sealant.

In addition to fluoride, S-PRG filler also releases five other ions: sodium, strontium, aluminum, silicate and borate, all with known bioactive properties. When exposed to concentrations of lactic acid, these ions contribute to an acid neutralization effect that demonstrates the healing benefits of Gionmers.

Crest Oral-B names Kasha Lower, RDH, as a recipient of the ‘Pros in the Profession’ award

Crest Oral-B congratulates, at left, Kasha Lower, RDH, of New Port Richey, Fla., as the fourth winner of the brands’ second “Pros in the Profession” award program, which honors registered dental hygienists who go above and beyond the call of duty every day. Lower has been practicing dental hygiene for more than 14 years, holding an associate of science degree from Pasco-Hernando Community College.

After careful consideration of a pool of qualified candidates, a panel of judges selected Lower for the award based on her passion for community service and giving back to those in need.

Lower is an active volunteer for the Great American Teach-In, a program in which she visits local schools and teaches children about the importance of oral health. She also regularly works with the Smile Faith Foundation, an organization that helps physically damaged patients restore their smiles, regain their confidence, discover their personal growth and venture into new career opportunities through major dental care and life-coach counseling.

Lower said one of her most memorable experiences in her career occurred while performing a routine head and neck exam, during which she detected a cancerous lump in a patient’s neck. Lower said she considers this experience a testament to the importance of thorough patient examinations and the crucial role dental hygienists can play not only in oral care but in overall health.

Throughout 2012, a total of six professionals will be named this year’s Crest Oral-B “Pros in the Profession” winners. Winners will receive a $1,000 monetary prize; recognition at a special award cocktail reception at RDH’s Under One Roof 2012 in Las Vegas, a plaque, a tribute in dental trade media news announcements and on www.dentalcare.com and an exclusive trip to P&G headquarters.

Here at the CDA

To learn more about Kasha Lower and the other winners and the "Pros in the Profession" program, visit www.praxistheprofession.com. To learn more about Crest Oral-B, stop by the booth, No. 1520.

Photos/Provided by Dr. Satoshi Fukumoto, Tohoku University, Japan
Keystone Industries announces the addition of Pro-form Glitter Guard to its line of athletic mouth guards.

The Glitter Guard material adds a bit of sparkle to the Pro-form line, which delivers protection, affordability and style. The mouth guard line offers numerous colors and styles to match any athlete’s preferences, but now athletes can choose shimmering glitter material that matches their star performances on the field.

Pro-form mouth guards are used by professional and amateur athletes alike because they provide a high level of protection, retention, comfort and fit without hindering speech or breathing.

The custom-fit mouth guard goes above and beyond typical boil-and-bite mouth guards, according to the company, which cites its superior fit and retention.

In addition, Keystone Industries states that Pro-form mouth guards are thin and comfortable while still maintaining shape and protection long after other mouth guards have worn out.

These custom-made athletic mouth guards are proven to reduce the number of tooth breakage by properly distributing the stress of a hard impact to the entire length of the tooth.

The durability is enabled thanks to a double layer of laminated sheet vinyl and a lingual plate imbedded behind the incisors.

The mouth guard maintains its form because of the heat and pressure laminating process.

The tensile strength is because of the two layers of laminate while the density is maintained during the pressure laminated process for controlled, uniformed shape.

Used at all levels of competition, Pro-form has proved itself a top performer on the field when athletes need it the most. Advantages of Pro-form include:

- Increased oxygen intake for maximum performance and endurance during competition
- Improved speech for clear communication on the field of competition
- Natural comfort with a secure fit
- Maximum impact dispersion and protection against tooth damage
- Custom fit for any size mouth
- Myriad color options to meet the needs of patients, including new glitter form.

For more information on Pro-form’s Glitter Guard or any Keystone product, contact Keystone Industries toll-free at (800) 333-3131, fax (856) 663-0381, go online to www.keystoneind.com or stop by the booth, No. 460.
Solving one of dentistry’s most challenging problems

By Mark Hochman, DDS

Of all the procedures performed on a routine basis, the one procedure that is universally perceived by patients as the most fearful and anxiety provoking is the dental injection. In spite of the significant advances made during the past 100 years, our profession has yet to conquer one of the greatest challenges of dentistry — or has it? Milestone Scientific, after spending the past decade responsibly and methodically studying this problem, now believes that with the introduction of its new instrument, The Wand®/STA Single Tooth Anesthesia System, this age-old problem has finally been conquered.

The Wand/STA Single Tooth Anesthesia System represents the world’s first and only technology that uses the patented Dynamic Pressure Sensing® (DPS) technology to willingly and safely perform a pressure-regulated intra-lingual dental injection. The new Wand/STA Single Tooth Anesthesia System can also perform all traditional dental injection techniques, i.e., inferior alveolar block, supra-periosteal infiltration, etc. All techniques are performed more efficiently, more effectively and virtually painlessly.

Milestone’s new technology incorporates visual and audible real-time feedback, giving clinicians an unprecedented level of control and information when performing a dental injection. The Wand/STA Single Tooth Anesthesia System replaces the antiquated heavy metal dental syringe with an ultra-lightweight disposable handpiece weighing less than 10 grams for superior ergonomics and tactile control. The experience for both patient and dentist is one that is significantly less stressful.

Milestone Scientific created and defined a new category of dental instruments called C-CLAD® (computer-controlled local anesthesia delivery) systems. These are the only dental injection instruments that have the published scientific data that substantiate the claim of eliminating or reducing pain perception when performing a dental injection.

This technology has undergone the rigorous of clinical testing that has been performed in numerous universities and research centers throughout the world for more than a decade. These studies are published in some of the most highly respected dental journals in our profession. No other instrument, technology or device developed specifically to reduce pain and anxiety while performing a dental injection can currently make that statement.

With the introduction of C-CLAD technology, several newly defined injections were also introduced to dentistry. The Wand/STA Single Tooth Anesthesia System has been optimized to perform these new dental injections. The first of these techniques, the anterior middle superior alveolar (AMSA) nerve block, published in 1997 by Friedman and Hochman, is a contemporary technique to achieve maxillary pulpal anesthesia of multiple maxillary teeth from a single palatal injection without producing the undesired collateral anesthesia to the lip and face. Subsequently, Friedman and Hochman introduced a second injection, named the palatal-approach anterior superior alveolar (P-ASA) nerve block, in which pulpal and soft tissue anesthesia of the central and lateral incisors are achieved by a single palatal injection. The general reduction in pain perception for all injections has lead to innovative ways to produce more efficient and effective dental anesthesia.

In addition to the new dental injections discussed above, The Wand/STA Single Tooth Anesthesia System improves the success rate of traditional injections such as the inferior alveolar nerve block. Holding the Wand handpiece with its unique pen-like grasp allows the clinician to easily rotate while simultaneously moving the needle forward, increasing accuracy by decreasing needle deflection. Advancing the ability to use the new multi-cartridge injection feature, The Wand/STA Single Tooth Anesthesia System provides numerous advantages when performing traditional injection techniques.

The introduction of The Wand/STA Single Tooth Anesthesia System represents a material improvement over previous versions of this exciting technology. Numerous innovative new features are available in the Wand/STA Single Tooth Anesthesia System, including automatic purging of anesthetic solution that primes the handpiece prior to use; automatic plunger retraction after completion of use, a multi-cartridge feature allowing multi-cartridge injections and reduction of anesthetic waste.

Milestone Scientific has developed a novel training feature in the Wand/STA Single Tooth Anesthesia System, including automatic purging of anesthetic solution that primes the handpiece prior to use; automatic plunger retraction after completion of use, a multi-cartridge feature allowing multi-cartridge injections and reduction of anesthetic waste. The introduction of The Wand/STA Single Tooth Anesthesia System represents the world’s most effective dental anesthesia device with a traditional syringe in preschool children. Pediatr Dent 2002;4:335–350.


Here at the CDA
To see The Wand/STA Single Tooth Anesthesia System, Photos/Provided by Milestone Scientific

The Wand.

References

About the author
Mark Hochman, DDS, is director of clinical affairs at Milestone Scientific.
We’re huge fans of underground art.

We know it’s the delicate art you create under the surface that allows the restoration above the surface to last a lifetime. When we crafted our EndoGuide® Access Burs and V-Taper™2 NiTi Rotary Files, we were inspired by you, the artisans who use them. SS White’s® intelligently designed endodontic system preserves that which matters most – vital dentin at the heart of the tooth. We’ll help you craft your masterpieces with healthier roots that sustain beautiful, longer-life restorations, more satisfied patients, and a practice that continues to grow.

V TAPER
ENDODONTIC FILE SYSTEM

The tool respected by artisans, like you, is back.

“All dentin is not created equally, EndoGuide® Burs and V-Taper™2 Files foster conservation at the heart of the tooth, peri-cervical dentin. The preservation of healthy dentin leads to longer lasting restorations.” — Dr. Eric Herbranson, Endodontist

SS WHITE® CORE ENDODONTICS

800-535-2877 | www.sswhiteburs.com
1145 Towbin Avenue Lakewood, New Jersey 08701
Helping you do it yourself

The EZ Care™ Handpiece Maintenance Kit is the latest addition to the ProScore line of products. These maintenance kits are customized to your handpiece and include everything needed to keep the handpiece in optimal running condition: an XTend™ Ceramic turbine, Smart Cleaner, gaskets, coupler o-ring sets, handpiece cleaner/lubricant, detailed maintenance instructions and other products.

The EZ Care Handpiece Maintenance Kit complements both ProScore’s in-office repair product line and the Pro-Repair/ProService Handpiece and small equipment maintenance courses presented at various dental shows.

XTend Ceramic kits and turbines for high-speed handpieces

With the XTend Ceramic line of turbines and kits, ProScore offers dentists the best quality do-it-yourself products for high-speed handpieces in the market, according to the company. Not only are XTend Ceramic products backed with one of the best warranties in the business — one year for turbines and six months for rebuild kits — but XTend products have been known to outperform steel bearings, last longer and produce less noise and vibration.

The ceramic bearing technology incorporated in XTend Ceramic products provides many handpiece performance benefits:

- Reduced wear: Ceramic balls are twice as hard as steel balls.
- Increased durability: Ceramic balls are 40 percent lighter than steel balls, which reduces the internal forces and loads caused by high-speed rotation.
- Longer life: Ceramic bearings perform better than steel under marginal lubrication.
- Quieter and smoother operation: Noise and vibration are reduced as a result of lower loads.

Other EZ Solutions

ProScore’s other EZ Solutions offer dentists various do-it-yourself repair and maintenance options:

- EZ Press III™ and EZ Rebuild™ Kits: The EZ Press III Repair System is the answer to the high costs and downtime associated with sending high-speed handpieces out to be repaired. Allowing the dentist to easily change those parts that have worn out, the EZ Press III utilizes simple procedures, requires no guesswork and ensures precision placement of the bearings on the spindle.
- EZ Install™ Turbines: For an instant repair, dentists can replace cartridges chairside with EZ Install Turbines, which are manufactured with high-quality parts and quality assurance procedures, including dynamic balancing. The result is a high-performance, long-lasting turbine that often outlasts others in the market, according to ProScore.
- Smart Cleaner: The Smart Cleaner is a one-of-a-kind maintenance tool that not only helps prevent residual build-up in handpieces and coupler waterlines but also clears away obstructions if they occur. Simply connect the handpiece or coupler to the Smart Cleaner and activate the hand pump to clear obstructions and debris.
- EZ Care™ Cleaner and EZ Care Lubricant: EZ Care Cleaner was formulated to flush debris and remove build-up from the handpiece’s internal rotating parts, improving long-term handpiece performance and sterilization efficacy. EZ Care Lubricant has been designed to minimize bearing wear and to resist corrosion. When used together, EZ Care Cleaner and EZ Care Lubricant ensure that handpieces and accessories will achieve maximum longevity and maintain optimum performance.

ProScore has been dedicated to do-it-yourself handpiece repair and maintenance since entering the dental market more than 15 years ago as Score International.

Now, ProScore is part of Henry Schein’s “Family of PROs,” including ProRepair and ProService, which aims to offer you the best fit for your repair needs.
SCREEN WITH CONFIDENCE.

VISIT OUR BOOTH AND GET YOUR VELSCOPE NOW!

BOOTH 2430

“As a hygienist, I love the VELscope! In addition to our visual and tactile oral cancer screening, the VELSCOPE is a LIFELINE that helps us look past what we can see into the subsurface layer, ensuring that we do not miss any abnormalities. Patients love the technology, too, because they feel more confident that we are taking great care of them. The VELscope plays a critical role in early detection of potentially deadly lesions. Using the VELscope on every patient at every visit increases our quality of service every hour of every day.”

Cris Duval, RDH/Patient Coach
For Brian McKay, DDS
Seattle, Wa

VELscope®
See Prevention in a New Light
New Integrity® Multi-Cure Temporary Crown and Bridge Material is a dual-cure 10:1 bis-acrylate material with improved flexural strength. Integrity Multi-Cure can be used as a self-cure material but also provides the option to eliminate wait time by light curing each unit for 20 seconds. Integrity Multi-Cure has the fastest cure-time range among leading competitive products.

Integrity Multi-Cure is available in a 76-gram cartridge delivery system with five refill shades — A1, A2, A3.5, B1 and BW — and in an introductory kit including Integrity Multi-Cure material, Integrity TempGrip cement and cartridge dispenser.

For more information, visit www.integritymulticure.com, call (800) 532-2855 or visit the DENTSPLY Caulk booth, No. 1406, here during the CDA Presents The Art and Science of Dentistry.
Smaller, smarter handpiece technology.
Now available in the U.S.

Japanese engineering is celebrated for making our favorite technologies smaller and perform better. Now, that smaller, smarter technology is available for your practice—with the new S-Max pico handpiece from NSK. It features the world’s smallest head*—giving you easier access for hard-to-reach molars and pediatric cases. And, like other NSK electric and air-turbine handpieces, the S-Max pico offers innovative features such as super-slender styling, cellular glass optics, our patented Clean Head technology for enhanced infection control, and a cartridge you can simply replace yourself.

Ask how you can get an S-Max pico in your hands today.

Come see the S-Max pico, your next “must have,” at:
2012 CDA Presents
Anaheim, CA
NSK Booth #140
May 3-5, 2012

To find your distributor:
888.675.1675
www.nskdental.us

*Global handpiece market as of 11/2011
Introducing **INCLUSIVE**
TOOTH REPLACEMENT SOLUTION

Comprehensive patient-specific implant treatment, all in one box!

BioTemp® provisional crown included
Final BruxZir® or IPS e.max® crown included
Custom healing abutment included
Custom temporary abutment included
Custom impression coping included
Final custom abutment included

Surgical drills and Inclusive® Tapered Implant included

$695*
Complete tooth replacement

Simple, Convenient, Affordable
This all-in-one, restorative-based solution includes everything needed to restore a missing tooth. Custom, patient-specific healing, temporary and impression components ensure ideal soft tissue contours are created from the day of implant placement. Inclusive — everything you and your patients need.

Complete case includes:
- Prosthetic guide, implant and surgical drills
- BioTemp® Implant Tissue Contouring Solution
  - Custom healing and temporary abutments
  - Custom provisional crown
  - Custom impression coping
- Inclusive® Custom Abutment and BruxZir® Solid Zirconia or IPS e.max® crown (delivered separately)

*Price does not include shipping or digital treatment plan. Inclusive Tooth Replacement Solution with digital treatment plan and surgical guide is available at an additional cost.
#Not a trademark of Glidewell Laboratories

FOR MORE INFORMATION:
800-407-3379
www.glidewelldental.com

GLIDEWELL LABORATORIES
Premium Products - Outstanding Value