The ‘Art of Imaging’ lights up the night

Friday evening, DEXIS, i-CAT and Henry Schein Dental hosted “The Art of Imaging” at the Chicago Illuminating Company. In attendance were more than 300 people from the dental community, including dentists, company representatives and the dental media.

According to the companies, the event space was an excellent venue for illuminating three new imaging masterpieces: DEXIS® Imaging Suite, DEXIS go® iPad® app and i-CAT® FLX.

After the initial reception, the products were unveiled. The room was abuzz when the DEXIS go app was presented. The demonstration showcased the practical benefits of the app, as well as its ability to facilitate presentations to the patient.

DEXIS Imaging Suite has one new feature that stirred interest — DEXcosmetic®, which is significant in the ways it assists dentists in using the power of an image to help patients better understand their conditions and become a partner in the process of diagnosis.

Carsten Franke, senior director of marketing for DEXIS, said: “Tonight’s reaction to DEXIS go and DEXIS Image Suite here at the event has been amazing. When we see this much excitement from the dental community over our products, we know our commitment to provide the best in imaging technology is truly worth all the effort we expend.”

The crowd was also humming about one of the new and beneficial features of the i-CAT FLX: QuickScan+, a 3-D scan that covers the same area as a pan but with less radiation*. Kalpana Singh, senior product manager for i-CAT, offered a presentation at the ‘Art of Imaging’ event.

The next part of the event was another bright spot in the evening. Guests were treated to a hands-on experience with DEXIS go and i-CAT FLX. iPads loaded with DEXIS go and the i-CAT FLX’s new touch screen interface were ready for “play.”

Don’t wait — you can find these works of art for yourself today in booth No. 1200.

*data on file

To check out the DEXIS Imaging Suite, DEXIS go iPad app or the i-CAT FLX, stop by the DEXIS/i-CAT booth, No. 1200.
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What dentists are saying about Inclusive Implant Solutions

"I absolutely believe that the Inclusive® Tapered Implant System is the simplest, most predictable and most affordable implant system that I have ever used. It will continue to be my system of choice. I will never use another implant system again!"

— Joe Bussell, DDS; Little Rock, Ark.

"I took an impression today for the final ceramic restoration on one of my Inclusive® Tooth Replacement Solution patients. The site of the Inclusive® Tapered Implants healed wonderfully! This was due mainly to the patient-specific temporary components that provided my patient with a natural-looking temporary and tissue contours, and I couldn’t be happier. The custom impression copings were very easy to use, and they made the entire process a breeze. I would highly recommend the Inclusive Tooth Replacement Solution to every dentist looking for an efficient and effective way to practice implant dentistry."

— Robert Klein, DDS; Kansas City, Mo.

"I would like to express my overwhelming satisfaction with the Inclusive® Tooth Replacement Solution, which made this one of the easiest implant cases I have ever done. Because I achieved primary stability and used the included custom temporary abutment and BioTemps® crown, I was able to achieve optimum esthetic results and cut down my chairtime. Now I can offer my patients a more esthetic and biologically superior result using the Inclusive Tooth Replacement Solution instead of the stock components normally used. It is, for me, a very cost-effective way to deliver superior treatment with custom components for each case. I used to spend more time and money with other systems, but now I have a great alternative!"

— James Nicholson, DDS; Muskogee, Okla.
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Imaging Sciences International debuts the new i-CAT FLX

New cone-beam 3-D system, exclusively distributed by Henry Schein, optimizes clinical control, ease of use and fast workflow

Imaging Sciences International announced a new addition to the award-winning i-CAT® family of cone-beam 3-D imaging — the i-CAT FLX — an innovative 3-D imaging solution that can help clinicians to quickly diagnose complex problems with less radiation* and develop treatment plans more easily and accurately. This newest system to the i-CAT brand offers 3-D planning and treatment tools for implants and restorations, oral and maxillofacial surgery, orthodontics, TMD and airway disorders.

i-CAT FLX has a range of innovative features that deliver greater clarity, ease-of-use, and control.

- Visual iQuity™ image technology provides i-CAT’s clearest 3-D and 2-D images*. The i-CAT FLX’s small footprint fits easily into any practice.
- i-Collimator electronically adjusts the field of view to limit radiation only to the area of scanning interest.  i-CAT FLX’s small footprint fits easily into any practice.
- i-PAN for traditional 2-D panoramic images
- Visual iQuity™ image technology provides i-CAT’s clearest 3-D and 2-D images*. Of course, as with all i-CAT products, the Tx STUDIO™ optimized treatment-planning software provides immediate access to integrated treatment tools for implant planning, surgical guides and other applications.

“We are thrilled to debut the i-CAT FLX — a complete 3-D treatment solution,” said Kalpana Singh, senior product manager for Imaging Sciences International. “Given its high level of control over radiation dose and easy workflow, we know that the i-CAT FLX can benefit dental team members and patients they treat.”

To check out the i-CAT FLX, exclusively distributed by Henry Schein, stop by booth No. 1200.

*data on file

Keystone Industries presents Tom Zaleske’s ‘Filling the Toolbox’

Keystone Industries will sponsor a special presentation today over at the Lab Day Chicago 2013 event, taking place at the Sheraton Chicago Hotel & Towers. The session is called “Filling the Toolbox” and will be presented by Tom Zaleske. It will take place from 10:15 a.m. to 12:15 p.m. in Superior Room A.

Zaleske will demonstrate several clear retention mechanisms for provisional and definitive partials by using Clearwire, new product Isoclear and the E-gasket. Topics will also include fabricating a reusable custom occlusal test piece for use on any articulator and simplifying the setup for single and full denture arches.

There will be information on Keystone’s new product Pro-form centri-fuse, which is a fast and easy-to-use logo lamination system for mouthguards, along with technical tips for denture acrylic processing, tooth modification, denture base characterization and more.

About Imaging Sciences International

Serving the dental industry since 1992, Imaging Sciences is at the global forefront in the development and manufacturing of the computer-controlled dental and maxillofacial radiography products and is internationally recognized by dentists and radiologists as one of the most innovative companies in dental imaging. The i-CAT system offers clinicians enhanced features for highly effective treatment planning and surgical predictability. For more information, visit www.i-CAT.com.

Exhibitors

Two paid staff members will ensure continuity within the operations. An adjacent parking lot provides ample space for volunteers and patients alike, but the clinic is also served by a Pace bus line that begins at the Wheaton Metra station. Although the CDS Foundation has made a significant commitment to supporting clinic operations, it will also continue to make annual grants to local agencies working to improve access to dental care and education.

Goldstein complimented the volunteers who led the charge to open the clinic.

“I applaud their commitment to the community,” she said.

“They recognized that something is wrong, and they found a solution. It is our pleasure as a foundation to support CDS members in this way. It makes sense, it provides access to care and it’s helping us to do the right things.”

The CDS Foundation Dental Clinic is looking for volunteer dentists and hygienists to care for patients in the new clinic, as well as oral surgeons to accept referrals. All a volunteer needs, King said, is a desire to come out and help.

The clinic also needs in-kind donations of supplies, as well as handpieces and small equipment.
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Shofu Dental is launching its latest addition to the Giomer family, BeautiCem SA. This new self-adhesive, dual-cure resin cement incorporates Giomer filler particles.

Providing high-bond values across all substrates, dentists now have extra peace of mind for all cementation needs, according to the company, as well as simplified placement procedures.

With a unique formulation optimized to reduce dripping, a two-second flash-cure provides easy cleanup.

The low-film thickness of fewer than 12 microns allows space for tight-fitting crowns.

As an added benefit, Shofu’s proprietary Giomer filler technology provides well-documented bioactive properties serving to remineralize and protect tooth structure.

**So what is a Giomer?**
The term Giomer is less of a category and more an ingredient. Succinctly, a Giomer refers to any product that contains surface pre-reacted glass (S-PRG). These special fillers are nano-sized, multifunctional glass particles that undergo an acid/base reaction, receiving a surface-modified layer to help block moisture prior to incorporation into the resin. This process differs greatly from GIs or compomers, which only achieve an acid/base reaction after placement, following a light cure, and after they absorb water. Following water sorption, fillers in GIs and compomers swell over time, causing a rapid breakdown in both strength and esthetics.

Through pre-reaction and the creation of a surface-modified layer, Giomers of-fer stable fluoride release and rechar-gability like GIs, but with vast improve-ments to handling, strength, durability and esthetics.

**Sustained remineralization from S-PRG fillers**
Shofu’s 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 fluoridated toothpaste, allow Giomers to provide sustained remineralization benefits to adjacent tooth structure during the life of the restoration.

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 Giomers.

**Clinical success of BEAUTIFIL, a Giomer composite material**
Independent evaluation of a Giomer bonding agent and composite material (FL-Bond and BeautifiI), conducted by the University of Florida and later published in JADA, translates this benefit to clinical relevance.

At eight years, none of the restorations failed, no sensitivity was reported, anatomical form was well maintained and no secondary caries were present in any of the patients.

A 13-year recall of this group will be released soon.

**Application of Giomers**
Dental applications for Giomer products are limited only by the imagination. In addition to Shofu’s existing composite, BeautifiI II, and the injectable restorative BEAUTIFI Flow Plus, indicated for all classes, Shofu is constantly looking to expand the applications for Giomers.

BeautiCem SA is available through your local distributor in both clear and Ivory shades (PN3213 and 3214, respectively) for $103. Kits contain one 5 ml syringe and 10 auto-mix tips.
Implant position in the esthetic zone

By Siamak Abai, DDS, MMedSc

Since the advent of modern root form osseointegrated implant dentistry in 1952, clinicians have strived for improvements in implant positioning in the esthetic zone to achieve predictable restorative and esthetic results. Years of clinical experience in congruence with controlled clinical studies have helped establish parameters as a guide for these results. Establishing a treatment plan and clinical protocol prior to implant placement is paramount.

Treatment planning traditionally begins with comprehensive medical and dental evaluations, articulated diagnostic casts, radiographs, cone-beam computed tomography (CBCT) scans and a diagnostic wax-up. Patient demands must be taken into consideration prior to surgery, and pre-surgical mockups may be necessary to convey the information to the patient.

The advancement of CBCT technology has led dentistry into a new realm of dimensional accuracy. In combination with the use of a surgical or guided stent, proper 3-D positioning of an implant has led to more accurate clinical results. The importance of the implant position can be manifested in the four dimensionally sensitive positioning criteria: mesiodistal, labiolingual and apico-coronal location, as well as implant angulation. The ultimate goal is not only to avoid sensitive structures, but to respect the established biological principles to achieve esthetic results.

Mesiodistal criteria
Correct implant position in a mesiodistal orientation allows the clinician to avoid damaging adjacent critical structures. A minimum distance of 1.5 mm between implant and existing dentition prevents damage to the adjacent teeth and provides proper osteointegration and gingival conditions.

Fig. 1a: Minimum distance of 1.5 mm between implant and existing dentition.
Photos/Provided by Glidewell Laboratories

Fig. 1b: Minimum distance of 3 mm between two adjacent implants.

Fig. 2: Proper labiolingual placement with 1.8 mm thickness of labial bone.

Fig. 3: Lateral view of implant placed with the collar at the level of crestal bone with adjacent teeth CEJ 2 mm coronal to the collar of the implant.

Fig. 4: Proper implant angulation with screw access in the cingulum area.

Here in Chicago
For more information or to see the Inclusive Tooth Replacement Solution, stop by the Glidewell Laboratories booth, No. 3213.
Curve Dental, developers of Web-based dental software, announced the release of Storyline, a platform within the company’s software that helps customers create custom patient forms, which can be completed by patients using an Apple or Android tablet.

“Storyline helps our customers quickly gather important information from their patients,” said Ian Zipursky, CEO of Curve Dental. “Medical history, insurance information or even a patient satisfaction survey can be quickly built and then accessed by the patient in the reception area using an Apple or Android tablet. While patients will be impressed by the practice’s cutting-edge use of technology, our customers can decrease the amount of paper forms in their practice, which saves money, and gather and process patient information more quickly, which saves time.”

Storyline helps a practice convert their existing paper forms into a digital form. When patients arrive for their appointments, the form can be completed on a tablet, such as an Apple iPad or Samsung Galaxy. When the patient has answered all the questions on the form, the information is submitted back to Curve Dental’s patient record management system, Curve Hero.

Once the information is submitted, the dental team can use it to complete the patient registration process or add new data to an existing patient record. All Curve Dental customers have access to the Storyline platform at no additional charge.

About Curve Dental
Founded in 2004, Curve Dental provides web-based dental software and related services to dental practices within the United States and Canada. The company is privately held, with offices in Orem, Utah, and Calgary, Alberta. The company’s goal is to make dental software less about computers and more about the user experience.