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“The CDS Foundation made a commitment to providing access to care in

Here in Chicago

To learn more about volunteer opportunities, visit the CDS Foundation today at booth No. 322.

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By Fred Michmershuizen
Dental Tribune

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he weather outside might be dreary, but inside McCormick Place West, there is plenty to be excited about this weekend.

When it comes to innovative new products in the dental industry, the place to be is here at the Chicago Dental Society’s 148th Midwinter Meeting. The exhibit hall is teeming with new technology to help improve patient care, along with products and services to make just about any practice more efficient and more profitable.

Dental Tribune strolled the aisles to see what’s especially exciting at this year’s event. Here is a short list of some of the many highlights we found:

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Heroes for children

By Fred Michmershuizen
Dental Tribune

For friends and supporters of the National Children’s Oral Health Foundation (NCOHF), America’s ToothFairy, it was time to celebrate Thursday night. The organization, which is dedicated to the elimination of childhood tooth decay, held its annual “Celebration of Smiles” event at the Hyatt Regency. Some of the dental industry’s most dedicated and caring individuals were in attendance.

Dr. Gordon Christensen, a member of the NCOHF’s board, served as master of ceremonies. He shared photos and videos highlighting the various NCOHF initiatives. He also encouraged company officials, dental professionals and students to get involved in the organization’s outreach initiatives. He also encouraged company officials highlighting the various NCOHF initiatives. "I spoke to the Virginia Commonwealth University Department of Pediatric Dentistry. Margaret Snellings, who accepted the award, got into the spirit of the event by appearing on stage dressed as the ToothFairy. The highlight of the evening came when Savannah Robinson, a 14-year-old girl who has benefited from NCOHF’s work, told her personal story. Savannah was mocked and bullied because of her bad teeth and a crooked smile, but her family lacked the financial resources to do anything to help her. A director of her local Boys & Girls Club recommended Savannah for NCOHF’s America’s ToothFairy program, and now she is receiving life-changing care from Dr. Mario Paz, a volunteer dentist. Robinson, an aspiring singer, performed the song “Beautiful,” in honor of other children whose lives are impacted by the effects of tooth decay.

Dr. Dennis Tartakow, a member of the NCOHF’s board, served as master of ceremonies. He shared photos and videos highlighting the various NCOHF initiatives. "I spoke to the Virginia Commonwealth University Department of Pediatric Dentistry. Margaret Snellings, who accepted the award, got into the spirit of the event by appearing on stage dressed as the ToothFairy. The highlight of the evening came when Savannah Robinson, a 14-year-old girl who has benefited from NCOHF’s work, told her personal story. Savannah was mocked and bullied because of her bad teeth and a crooked smile, but her family lacked the financial resources to do anything to help her. A director of her local Boys & Girls Club recommended Savannah for NCOHF’s America’s ToothFairy program, and now she is receiving life-changing care from Dr. Mario Paz, a volunteer dentist. Robinson, an aspiring singer, performed the song “Beautiful,” in honor of other children whose lives are impacted by the effects of tooth decay.

Fern Ingber, NCOHF president and CEO, thanked those in attendance for their support. She presented the organization’s Affiliate of the Year award to the Virginia Commonwealth University Department of Pediatric Dentistry. Margaret Snellings, who accepted the award, got into the spirit of the event by appearing on stage dressed as the ToothFairy.

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JONATHAN VANNORTWICK, DENTAL TRIBUNE
Renew your passion

By LVI Staff

Welcome to the Chicago Midwinter Meeting, and congratulations on actively moving your understanding and professional success forward! It is only through excellent education that we individually grow and develop as dental health professionals and, through that, build a practice that is not just successful but delivers comprehensive and high-quality care.

As a patient, I expect the best care I can find. As a dentist, I want to deliver the best care possible. That takes us to the power of continuing education.

As a way to introduce you to the Las Vegas Institute for Advanced Dental Studies, or LVI, I want to outline what LVI is about and what void it fills in your practice. The alumni who have completed programs at LVI were given an independent survey, and unlike the typical surveys of dentists, 99.7 percent love being a dentist, and of those surveyed, 92 percent enjoy their profession more since they started their training at LVI. That alone is reason enough to go to LVI and find out more.

While the programs at LVI cover the full breadth of dentistry, the most powerful and life-changing program is generally reported as being Core I, or “Advanced Functional Dentistry — The Power of Physiologic Based Occlusion.” It is a three-day course that is designed for clinicians and their teams to learn together about the power of getting their patients’ physiology on their side.

In this program, clinicians can learn how to start the process of taking control of their practice and start to enjoy the full benefits of owning a practice and providing high-quality dentistry. Regardless of whether it is a solo practice or a group setting, every dentist can start the process of creating comprehensive care experiences for their patients.

We will discuss why some cases that dentists are asked to do by their patients are actually dangerous cases to restore cosmetically. We will discover the developmental science behind how unattractive smiles evolve and what cases may need the help of auxiliary health-care professionals to get the patient feeling better.

The impact of musculoskeletal signs and symptoms will be explored, and we will look at how the supporting soft tissue is the most important diagnostic tool you have — not simply the gingiva but the entire soft-tissue support of the structures and not just in the mouth but also in the rest of the body.

A successful restorative practice should not be built on insurance reimbursement schedules. An independent business should stand not on the whims and distractions of a fee schedule but rather on the ideal benefits of comprehensive care balance by the patients’ needs and desires.

Dentistry can be a challenging and thankless business, but it doesn’t have to be. Through complete and comprehensive diagnosis, there is an amazing world of thank yous and hugs and tears that our patients bring to us when we change their lives.

The Core I program at LVI is the first step on that journey. That’s why when you call, we answer the phone: “LVI, where lives are changing daily!”

For more information

For more information on the Las Vegas Institute for Advanced Dental Studies, visit www.lviglobal.com.

The Las Vegas Institute for Advanced Dental Studies in Las Vegas. Photo/Provided by LVI
Scenes from Friday

Josh Gall and Jaclyn Belida talk to an attendee Friday morning at the Glidewell booth (No. 3213).

Dr. Todd Shatkin of Shatkin F.I.R.S.T. at booth No. 4043 leads a Friday morning implant-placement presentation.

Dr. Esah Sieth-Yip, director of the Malaysian Rubber Export Promotion Council, and Donny E. Chan, executive, at the council’s booth (No. 3745).

PhotoMed’s Sean Chappell helps an attendee at the company’s booth (No. 825).

E4D’s Christopher Binion shows attendees the benefits of the E4D System at the company’s booth (No. 2411).

A long line formed at the Opalescence booth (No. 4418) as attendees wait to hear a presentation (and maybe get some samples, too!).

Tom Batz, national sales director, at Aribex (booth No. 818).

Stop by the GC America booth (No. 1000) and spin the wheel to see if you can win a nice prize.

Photos by Sierra Rendon, Dental Tribune
Bergman speaks on ‘Future of Digital Dentistry’

Henry Schein Executive Chairman and Chief Executive Officer Stanley Bergman, far left, and Dr. Robert Gottlander spoke at a Friday morning breakfast at the Hyatt Regency McCormick Place on ‘The Future of Digital Dentistry.’ The two leaders, along with Jim Breslawski, president of Henry Schein and CEO of Henry Schein Global Dental Group, led a discussion on the ways that Henry Schein aims to provide a patient-centric model to deliver a complete solution for dental professionals through technology. ‘Solutions need to be patient-focused at each step of treatment,’ Gottlander said.

Photos/Sierra Rendon, Dental Tribune
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
2013 Chicago Midwinter Meeting Special

Save Thousands On
Your Handpiece Repairs!

3+1 Turbines
Including XTend™ CERAMICS

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VISIT US AT
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"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.
Immediate implant temporization that’s simple and convenient

Visit us at booth #3213

$695* includes everything you need to restore a missing tooth

Complete case includes:

- BioTemps® provisional crown included
- Custom healing abutment included
- Final BruxZir® or IPS e.max® crown included
- Custom temporary abutment included
- Custom impression coping included
- Final Inclusive® Custom Abutment included
- Surgical drills and Inclusive® Tapered Implant included

Inclusive custom healing abutment at implant placement
Contoured soft tissue sulcus after healing
Buccal view of final restoration at delivery

Simple, Convenient, Affordable
This all-in-one, restorative-based solution includes everything needed to restore a missing tooth. 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.

New
NOW COMPATIBLE WITH MORE IMPLANT SYSTEMS — OPEN PLATFORM
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- Biomet 3i® Certain®
- Nobel Biocare® Bränemark System®, NobelActive® & NobelReplace®
- Straumann® Bone Level®
- Zimmer® Screw-Vent®

In the event that your implant needs replacement, we include a backup Inclusive Tapered Implant and final drill for your peace of mind.

*Price does not include shipping or applicable taxes.
#Not a trademark of Glidewell Laboratories. The implant shown is NobelReplace.

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GLIDEWELL LABORATORIES
Premium Products - Outstanding Value
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.
- QuickScan+ allows for a full-dentition 3-D scan at a lower dose than a panoramic image.
- SmartScan STUDIO’s touchscreen interface and integrated acquisition system yields more control and workflow flexibility by allowing the clinician to easily select the appropriate scan for each patient at the lowest acceptable radiation dose.
- Ergonomic Stability System (ESS) offers seated positioning, robust head stability, and adjustable seating controls to minimize patient movement, thus reducing the need for retakes. ESS also provides wheelchair accessibility.
- 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

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.”

In 2012, Imaging Sciences International celebrated two decades of dedication to dental imaging, developing and manufacturing advanced dental and maxillofacial radiography products including the i-CAT Next Generation™ and i-CAT Precise™ and their exclusive software applications. The i-CAT brand has become among the most trusted 3-D radiographic systems in the world. Now, i-CAT FLX continues this legacy, the company said.

The i-CAT FLX is exclusively distributed by Henry Schein, the world’s largest provider of health-care products and services to office-based dental, medical and animal health practitioners.

About Imaging Sciences International

Serving the dental industry since 1992, Imaging Sciences is at the forefront of 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.

*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 iSclear and the Egasket. Topics will also include fabricating a reusable custom occlusal wax 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.

Thomas Zaleske gives a presentation.

District Dental Tribune

Here in Chicago

Head over to Lab Day Chicago 2013 at the Sheraton Chicago Hotel & Towers to catch Tom Zaleske’s ‘Filling the Toolbox’ today from 10:15 a.m. to 12:15 p.m. in Superior Room A.

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.
Confidence in your hands.

**You're in control** > TF Adaptive is designed to work with our Elements™ Adaptive Motion Technology, which allows the TF Adaptive file to self-adjust to intra-canalar torsional forces. In other words — **rotary when you want it and reciprocation when you need it.**

**Keep it simple** > An intuitive, color-coded system designed for efficiency and ease of use.

**Peace of mind** > TF Adaptive is built on the success of the Classic TF design and includes the same advanced Twisted File technology.

Visit us at booths #3600 and #3801.

For more information contact Axis|SybronEndo at 800.346.3636 or visit tfadaptive.com/confidence.
Shofu launches BeautiCem SA

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 GI 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 offer stable fluoride release and rechar- gability like GIs, but with vast improvements 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 Beautifil), 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, Beautifil II, and the injectable restorative BEAUTIFIL 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 conjunction 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 osseointegration and gingival health.

Labiolingual criteria
Proper labiolingual placement with 1.8 mm thickness of labial bone.

Apico-coronal criteria
Correct placement of the implant with the collar at the level of crestal bone with adjacent teeth CEJ 2 mm coronal to the collar of the implant.

Implant angulation criteria
Proper implant angulation with screw access in the cingulum area.

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LVI has given me a new driving force in my career. It has recharged my enthusiasm for dentistry and made me realize that my career choice was not a mistake.

— Dr. Charles Shin, Southington, CT

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Dental patients can now use an iPad or Android tablet to digitally complete their information

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 intimidating for computer and more about the user experience.

Apico-coronal criteria
Peri-implant crestal bone stability plays a critical role in the presence of interdental papilla.1 Implants placed too shallow may reveal the metal collar of the implant through the gingiva. Countersinking implants below the level of the crestal bone may give prosthetic advantages but can lead to crestal bone loss.

The ideal solution would be the placement of an implant equicrestal or subcrestal to the ridge. However, the existing microporosis at the implant abutment junction leads to bone resorption because of peri-implant inflammation.2 It is suggested an implant collar be located 2 mm apical to the CEJ of an adjacent tooth if no gingival recession is present.3 (Fig. 3)

Implant angulation
Implant angulation is particularly important in treatment planning for screw-retained restorations. Implants angled too far labially can result in unsightly and unesthetic prosthetic design. For every millimeter of lingual inclination, the implant should be placed an additional millimeter apically to create an optimal emergence profile.4 In general, implant angulation should mimic angulation of adjacent teeth (Fig. 4).

Inclusive Tooth Replacement Solution
The Inclusive® Tooth Replacement Solution was developed by Glidewell Laboratories as a complete, prosthetically driven method of restoring missing dentition. The solution is composed of treatment planning, implant placement, patient-specific temporization and the definitive restoration (Figs. 5a–5f).

When utilizing the comprehensive range of Inclusive Digital Treatment Planning services, the clinician has absolute and precise control of each step. The clinician has control of the four dimensions of implant placement in the esthetic zone, creating a consistently predictable result.

To read the full article, go to www.inclusivedental.com. References are available upon request from the publisher.
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