Clinical benefits of the Inclusive Tooth Replacement Solution

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

With the new Inclusive® Tooth Replacement Solution from Glidewell Laboratories, the clinician receives all the components necessary to place, provisionalize and restore an implant.

Custom-designed temporary components allow for immediate provisionalization specific to each patient, and a matching custom impression coping communicates the final gingival architecture to the laboratory. The Inclusive Tooth Replacement Solution supports a streamlined workflow that ensures predictability and long-term success.

With this solution, experienced and novice clinicians alike can place and restore dental implants with greater confidence than ever before. 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, including a prosthetic guide, custom temporary abutment, BioTemp® provisional crown (Glidewell), custom healing abutment, custom impression coping, surgical drills and Inclusive Tapered Implant (Glidewell).

On the day of surgery, place the box contents alongside your usual surgical armamentarium. Confirm the fit of the prosthetic guide prior to beginning the procedure (Fig. 1).

After placing the implant and verifying its position (Fig. 2), decide based on the level of primary stability whether to place the custom healing abutment (Fig. 3) or 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.

Upon successful osseointegration, the restorative phase begins. Contours of the custom impression coping match those of the custom abutment, so it’s simple to remove, seat the impression coping and take an accurate full-arch final impression.

At final delivery, remove the temporary abutment. Try in the final Inclusive Custom Abutment (Glidewell) and BruxZir® (Glidewell) (Fig. 4) or IPS e.max® (Ivoclar Vivadent; Amherst, N.Y.) crown. Check the contours, contacts and occlusion, and adjust as needed.

In response to the dental implant market embracing the importance of soft-tissue contouring, Glidewell Laboratories‘ Implant department has now expanded the Inclusive Tooth Replacement Solution to accommodate all implant systems compatible with the Inclusive Custom Implant Abutment product line. This creates the opportunity for more clinicians to offer their patients the advantages of the tissue-contouring system contained within the Inclusive Tooth Replacement Solution.

What ever implant system you use, you and your patients can now benefit from the tremendous effects of training tissue from the time of implant placement.

Next November, plan to visit Toronto

By Toronto Academy of Dentistry Staff

The Toronto Academy of Dentistry’s 76th Annual Winter Clinic held at the Metro Toronto Convention Center on Nov. 2 was a resounding success, according to the TAD.

A total attendance of 2,572 represented an increase in dentists as well as booth spaces from the previous year.

More than 20 programs representing a wide spectrum of dental interests were presented, including 12 hours of CORE-approved courses. Liz Pearson, one of TAD’s featured clinicians, unveiled her new book and was also available for book signings. The proceeds of the signings went to About Face.

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The Canadian Armed Forces were active participants with a program on nation building and a display on the exhibit floor of a mobile dental suite. Many lecture rooms were at capacity and overflowing. The academy launched its new initiative with the Mikey Network, a program geared to placing automatic external defibrillators (AEDs) in public places.

The team concept of Winter Clinic continues to attract dentists, hygienists, assistants and office administrators from not only the Toronto area but from all over the province and even from the United States, the academy said.

Congratulations to the winners of the photography contest, and congratulations to the winner of the free trip for two donated by Sandals, Dr. Juris Michelsons of Cambridge, Ontario.

Mark your calendar for Nov. 8, 2013, for TAD’s 76th Winter Clinic.
CAESY expands to the clouds

CAESY Cloud is Patterson Dental’s latest addition to the CAESY Patient Education Systems family of products. CAESY Cloud is online and guarantees dental professionals immediate access to more than 280 multimedia patient-education presentations, including the most up-to-date materials featuring 3-D animation, full-motion video, narration and colorful images. CAESY Cloud features include:

- **Easy startup with no installation** required and only a low monthly subscription fee so you can start using CAESY Cloud in your practice immediately.
- **Compatible with/accessible by both PC and Mac services, smartphones and the iPad, iPhone and iPod** – no additional software purchases are necessary.
- **No network connections are necessary** between participating computers, allowing presentations to be accessed from multiple locations within the practice with no additional charge.
- **Presentations are updated frequently**, and with the ease of a standard Internet connection, users will immediately be able to use the latest videos in all patient appointments.

With the addition of CAESY Cloud, dental professionals now have more tools and more options to present their patient education materials. There are three chairside formats to choose from – CAESY Cloud, CAESY DVD or CAESY Enterprise – as well as front-office programming with the Smile Channel.

According to Patterson, countless dental professionals have seen how CAESY optimizes staff time, eliminates the fatigue of repeating explanations and increases case acceptance rates in the practice.

Dr. Marty Jablow, a beta-tester and new user of CAESY Cloud, said: “I have found the convenience of a cloud-based system delivers many benefits in comparison to the alternatives. Using a cloud-based system eliminates the need for time-consuming and frustrating installations. It’s as simple as opening up a web browser and logging in to a website.

“With some other patient education systems, there is a need to update software or install the latest version. However, with CAESY Cloud, practices have instant access to all updates and all new presentations automatically. There is no hassle updating software. IT headaches and, more importantly, IT costs are eliminated by using the cloud.

“I find that using CAESY Cloud along with other educational tools, such as CAESY Smile Channel from Patterson Dental in the reception area, is an effective way to educate patients and create new business,” Jablow said. “I would definitely recommend it for small and large practices alike that want to increase case acceptance rates and put their practice at the forefront of technology.”

CAESY Education Systems has been one of dentistry’s premier developers of leading-edge patient education technology and content since 1993. Patterson Dental Supply acquired CAESY in May 2004. The award-winning multimedia information on preventive, restorative and esthetic treatment options helps dental practices worldwide educate their patients and grow their practices.

The CAESY content is distributed via video and computer networks, DVD players and now through the cloud throughout the clinical and reception areas of a dental practice. The entire family of products includes CAESY Cloud, CAESY DVD, Smile Channel DVD and CAESY Enterprise, which includes CAESY, Smile Channel and ShowCase.

Here at the GNYDM

For more information, visit www.caesy.com, call (800) 294-8504 or stop by the Patterson Dental Supply booth, No. 2800.

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CAESY Cloud for laptops. (Photo/Provided by Patterson Dental)
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 self-etching primer is significantly less acidic, helping to preserve healthy tooth structure.

Despite this lack of acid etch and rinse steps and a HEMA-free composi-
tion, shear bond strengths remain at levels that meet or exceed market-leading sealants at 19.5MPa.

Smooth application
BeautiSealant Sealant 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 giomer 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 fluoridated 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 giomers.
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The four Fenders: preparation protection and matrices of the future

Now available in a complete start-up kit with a book full of clinical advice and examples shown in text, pictures and video clips

**FenderWedge**
The safety belt of the dental world. A must for all proximal preparations.

A proximal preparation protection consisting of a stainless steel plate mounted on a plastic wedge. The protection is inserted, buccally or lingually, with a snap push, which fixes it during the entire preparation. The adjacent tooth and gingival papilla are now well protected, and the preparation can be performed quickly, safely and without risk of bleeding. The wedge separates the adjacent teeth, which supports the matrix filling and facilitates good contact.

**FenderPrep**
Allows subgingival preparation for the surface to be prepared. The boat-like tip and softly rounded underside press gently on the gingiva so that even subgingivally the preparation can be performed without injury or bleeding, which facilitates subsequent impression measurement.

**FenderMate**
The world’s quickest matrix. Self-shaping contact. Close cervical connection.

A sectional matrix with a pre-curved contact point on a curved wedge. It is pushed in from the side, buccally or lingually, with a curved contact point under the prep limit until the optimum contact point is reached. The contact point will shape automatically to the cavity. The wedge wing will press the matrix toward the preparation limit and connect tightly without any risk of excess material. The matrix has two bends in two different wedge sizes.

**FenderPrime**
The market’s first combined prep protection and matrix for class II fillings on primary teeth.

Approximal restoration of children’s primary teeth should be made in a simple, quick and safe way. The treatment can then be reduced substantially if the protection can also be used as matrix if the contact and absence of cervical excess remains.

**FenderPrime** is therefore a combined preparation protection and matrix with a perfect size for primary teeth. It is available in a harder, short model in neon yellow and a longer flexible neon green. The yellow version is preferable when the contact is tight and hard. The green version is preferable when the preparation is expected to be larger, because the flexibility of the matrix produces a better shape.

**FenderMate Fix**
A new, unique solution for class II composite preparations for wider cavities.

The FenderMate matrix is attached to its wedge by two fix points which can be easily loosened with a carver instrument. The soft matrix is then bent so that the box is closed and fixed to the adjacent tooth structure with a light-curing FenderMate Fix; a liquid composite with a low filler content.
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Erbium & Nd:YAG
The Endo, Perio, Soft & Hard Tissue Laser

Photo Active Systems Technology, or PHAST™, is the scientific foundation for the Lightwalker and the basis for PIPS™ as well as other advanced clinical laser procedures.

PIPS™ (Photon Induced Photoacoustic Streaming) Laser Endo is an advanced and breakthrough PHAST™ method for cleaning and debriding the root canal system using Er:YAG laser energy.

“I have been using PHAST™ laser endo for over a year. Herb Schilder stated that endodontic cases had the potential of 100% success minus X. The X factor being the complexity of the root canal system and the operator’s ability to manage the cleansing and shaping of that system. I believe that it enhances my ability to reduce this X factor to as close to 0 as is possible today. The LightWalker™ has also proven to be very valuable to my implant cases. Having both Erbium & the Nd:YAG in one system allowing you to get more for your investment.”

Bryan M. Beebe D.D.S.
Endodontist, Sarasota, FL

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Yankee Dental Congress Booth 2429 - Jan 30-Feb 3
Southwest Dental Conference Booth 1301 - Jan 17-19

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Henry Schein and Quintessence form a strategic partnership

Two market leaders join forces to broaden oral health education

Henry Schein and Quintessence Publishing this Monday morning used the Greater New York Dental Meeting exhibit hall to announce a strategic partnership designed to expand the availability of oral health education to dental professionals.

Henry Schein is one of the world’s largest providers of health-care products and services to office-based dental, medical, and animal health practitioners. Quintessence Publishing is a leading independent publisher of scientific and clinical information about oral health.

At the heart of the partnership is a joint commitment to provide the best and latest clinical information on treating oral disease so practitioners can provide the most advanced care possible for their patients.

Under the agreement, Henry Schein will use its industry-leading distribution network to market in North America the book titles, professional journals and multimedia products published by Quintessence, whose work has earned many prestigious international awards during the company’s 62-year history.

The companies also announced a partnership to present a co-branded symposium to explore the connection of oral health and systemic health. This symposium will be in February 2014 and will be led by Michael Glick, DMD, dean of the School of Dental Medicine at the University at Buffalo and editor of The Journal of the American Dental Association.

“We are delighted to partner with Quintessence, which is known throughout the profession for publishing the highest-quality educational materials devoted to oral health,” said Stanley M. Bergman, chairman and CEO of Henry Schein. “Henry Schein is committed to helping improve the business of our health-care customers so they can improve the lives of their patients.”

“This strategic partnership with Henry Schein gives us the opportunity to expand that community, one dentist at a time,” said William Hartman, executive vice president of Quintessence. “Each reader provides added depth and a new perspective to our community. Our goal is to work with acknowledged experts to publish the best and most useful books within every specialty, and we know Henry Schein is dedicated to promoting this same professional excellence.”

The one-year publishing agreement will renew automatically for successive one-year terms. The Henry Schein sales network will market the Quintessence portfolio, which includes 50 professional journals and more than 1,000 book titles. Quintessence will manage the delivery of materials directly to customers.

Here at the GNYDM

Henry Schein companies are in numerous exhibit hall booths at the GNYDM, anchored by Henry Schein Dental in booth Nos. 3140, 3225 and 3432. Visit Quintessence Publishing at booth No. 1804.

Dr. Fuji (William Yamaguchi, PhD) in the Fujiiryoki/Acigi Relaxation booth, No. 1324, dances away on his Cyber-Relax machine.

Henry Schein President and COO James Breslawski, from left, Quintessence Publishing CEO Stanley Bergman and Quintessence Publishing Executive Vice President William Hartman and Henry Schein Chairman and CEO William Bergman are working together in support of education resources for dental professionals. (Photo/Robert Selleck, today Staff)

New Jersey artist Bill Lopa paints live in the Amazing Animations booth, No. 1900. New York artist Charles Fazzino is in the booth today from 1:30 to 5:30 p.m. signing dedications.

Stop by the New York Times booth, No. 4618, where Shannon Murphy has this attention-getting crossword-puzzle umbrella for new subscribers.

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specials *from page 1

“There’s just so much here,” he said. “And every year it just overwhelms you.”

This year is no exception, with an exhibit hall packed with new products and special promotions. Plenty of examples were revealed during a quick stroll Monday morning. Among them:

- Rose Micro Solutions in booth No. 622 has a special loupe and light combination package from “Mama Rose” for $799.
- At the TruDenta booth, No. 3302, the first 100 visitors every day get a free copy of the textbook “Understanding, Assessing and Treating TMJ and Mandibular Sensorimotor Dysfunction,” released here at the GNYDM. The book’s co-authors are available at the booth at various times.
- Store-A-Tooth (Provia Labs) has an easy booth number to remember, No. 3333. Stop by to learn about its stem cell banking system and the available specials, which also support leading diabetes research organizations.
- In the Mydent International booth, No. 2215, buying two cases of Dreumex Ominicare products gets you a hands-free dispenser free (normally $75). The Mydent folks say the foam hand cleaner can’t beat on cost and the hand sanitizer has the highest kill rate.
- Pick up a New York Times crossword puzzle umbrella or a T-shirt with the subscription specials at the New York Times booth, No. 4618.
- William Yamaguchi, better known as “Dr. Fuji,” has special prices on his relaxation chairs and Cyber-Relax units in booth No. 1324. Look for him dancing/vibrating on his Cyber-Relax.
- New Jersey artist Bill Lopa was painting one of his impressionistic oils in the Amazing Animations booth, No. 1900. Today, the booth has New York artist Charles Fazzino signing dedications from 1:20 to 5:30 p.m.
- And you should stop by the Millennium Dental Technologies booth, No. 2833, to get a couple cheeky comments from “The Fake Austin Powers.” He’ll even answer your questions about the futuristic PerioLase MVP-7 digital laser.